

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS ☒ X WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/abd. _____

* WORKOVER & RETESTED 2-1-87 92/203 Cools to Everson eff. 9-1-92.

7-12-99 EVERTSON to PETROGLYPH EFF 2-1-94

941101 COMMENCED INJECTION 8-17-94

DATE FILED 10-16-86

LAND: FEE & PATENTED STATE LEASE NO.

PUBLIC LEASE NO.

INDIAN 14-20-H62-3513

DRILLING APPROVED: 10-27-86

SPUDDED IN: 11-20-86

COMPLETED: 12-28-86

PUT TO PRODUCING: 12-28-86

INITIAL PRODUCTION: 25 BOPD 38 MCF 20 BWPD

* 52 BOPD 38 MCF 20 BWPD

GRAVITY A.P.I.

* 40°

GOR: 1400:1

* 731:1

PRODUCING ZONES: 4943-5554 - GRRV

* 444A-5554 GRRV

TOTAL DEPTH: 6360

WELL ELEVATION: 6041 GL

DATE ABANDONED:

FIELD: ANTELOPE CREEK

UNIT:

COUNTY: DUCHESNE

WELL NO. UTE TRIBAL 5-18

API #43-013-31180

LOCATION 2151' FSL FT. FROM (N) (S) LINE.

667' FEL

FT. FROM (E) (W) LINE.

NE SE

1/4 - 1/4 SEC.

18

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ouray
Green River 1502	Frontier	Phosphoria	Elbert
<i>Parachute Creek 2850</i>	Dakota	Park City	McCracken
<i>Garden Gulch 3730</i>	Burro Canyon	Rico (Goodridge)	Aneth
<i>Upper DACEK 4406</i>	Cedar Mountain	Supai	Simonsen Dolomite
	Buckhorn	Wolfcamp	Sevy Dolomite
	JURASSIC	CARBON I FEROUS	North Point
Wasatch	Morrison	Pennsylvanian	SILURIAN
Stone Cabin	Salt Wash	Oquirrh	Laketown Dolomite
Colton	San Rafael Gr.	Weber	ORDOVICIAN
Flagstaff	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		



RECEIVED
OCT 16 1986

DIVISION OF
OIL, GAS & MINING

October 13, 1986

State of Utah
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203

Attn: Mr. Ron Firth

Dear Mr. Firth:

For your approval attached find one copy of the APD for the following well:

Ute Tribal 5-18
Section 18, T5S-R3W
Duchesne County, Utah

If you find you are in need of any further information or have any questions regarding this Application, please let us know.

Thank you for your consideration.

Very truly yours,

R. L. Martin
Vice President
Oil & Gas Operations

RLM:kr

Attachments

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

Oil Well ☒Gas Well ☐Other ☐Single Zone ☒Multiple Zone ☐

2. Name of Operator

Coors Energy Company

(303) 278-7030

3. Address of Operator

PO Box 467, Golden, Colorado 80402

4. Location of Well (Report location clearly and in accordance with any State requirements.)

At surface 667' FEL, 2151' FSL, NE/4SE/4

At proposed prod. zone
same

5. Lease Designation and Serial No.

14-20-H62-3513

6. If Indian, Allottee or Tribe Name

Ute Tribe

7. Unit Agreement Name

8. Farm or Lease Name

Ute Tribal

9. Well No.

5-18

10. Field and Pool, or Wildcat

Antelope Creek

11. Sec., T., R., M., or Blk.
and Survey or Area

Sec. 18, T5S-R3W

14. Distance in miles and direction from nearest town or post office*

approximately 10 miles south of Bridgeland

DIVISION OF
OIL, GAS & MINING

12. County or Parrish

Duchesne

13. State

Utah

15. Distance from proposed*

location to nearest
property or lease line, ft.
(Also to nearest drlg. line, if any)

667'

16. No. of acres in lease

640

17. No. of acres assigned
to this well

18. Distance from proposed location*
to nearest well, drilling, completed,
or applied for, on this lease, ft.

1000'

19. Proposed depth

6360'

20. Rotary or cable tools

rotary

21. Elevations (Show whether DF, RT, GR, etc.)

6041' GL

22. Approx. date work will start*

November, 1986

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12-1/4"	8-5/8"	24.00#	400'	300 sx.
7-7/8"	5-1/2"	15.50#	6360'	1200 sx.

1. This well will be spudded in the Uintah Formation.
2. Estimated Green River top: 1324'.
3. Water zones are possible thruout the Green River formation as well as gas and or oil. No aquifers or other mineral zones are anticipated. Maximum expected bottom hole pressure is 2000 psi.
4. Attached is a diagram of the pressure control device to be used.
5. The proposed circulating medium will be 3% KCL water or a low-solids non-dispersed mud. Mud weights in excess of 10#/gal are not anticipated.
6. Auxiliary equipment: float will be run in the drill string, a full opening valve to fit the drill string will be on the rig floor at all times. Kelly cock valves will be used.
7. Coring is planned, drill stem tests may be run in potential pay zones.
8. No abnormal temperatures, pressures or potential hazards are expected.
9. Anticipated starting date: October, 1986. Duration of operations: 30 days.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed

R. L. Martin

Title V.P. O/G Operations

Date 10-13-86

(This space for Federal or State office use)

Permit No.

43-013-31180

Approval Date

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

Approved by

Title

Conditions of approval, if any:

DATE: 10-27-86

BY: John R. Dyer

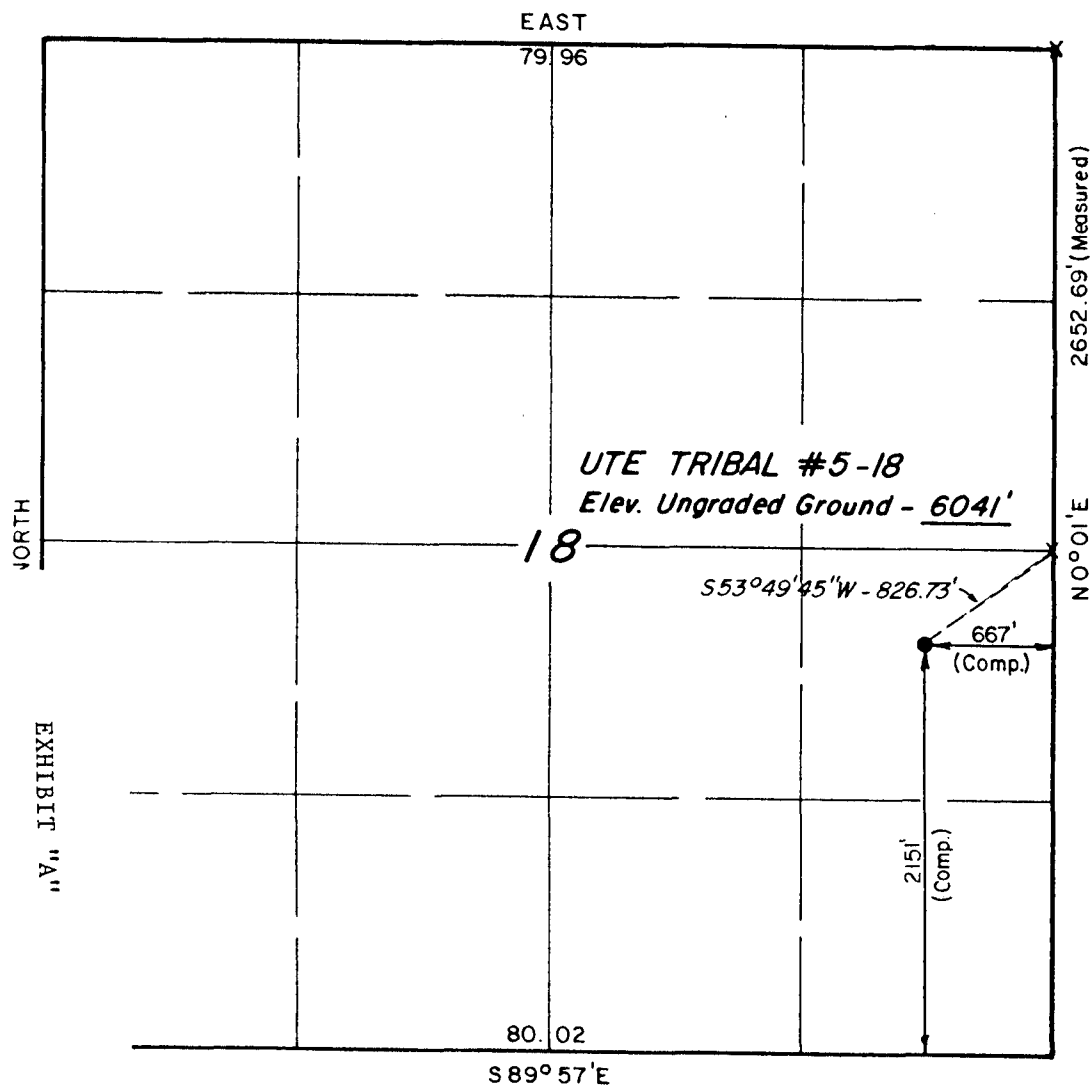
*See Instructions On Reverse Side

WELL SPACING: 302

T 5 S , R 3 W , U. S. B. & M.

PROJECT
COORS ENERGY CO.

Well location, *UTE TRIBAL*
#5 -18, located as shown in
the NE 1/4 SE 1/4 Section 18,
T5S, R3W, U.S.B. & M.
Duchesne County, Utah.



X = Section Corners Located



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

UTAH ENGINEERING & LAND SURVEYING
 P. O. BOX Q - 85 SOUTH - 200 EAST
 VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	9/12/86
PARTY	LDT GS RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	COORS

MULTIPOINT SURFACE USE PLAN
COORS ENERGY COMPANY
UTE TRIBAL 5-18
SECTION 18, T5S-R3W, NE/4SE/4
DUCHESNE COUNTY, UTAH

Coors Energy Company will assure that this APD will be posted in the doghouse of the drilling rig during the drilling of this well. Also, a sign will be posted at the entrance to the location with the name of the well, operator and location description. We will notify Timothy O'Brien at the BLM in Vernal, Utah and the BIA in Ft. Duchesne, Utah 48 hours prior to beginning any work on this land. Prior to starting surface construction operations, the dirt contractor shall have a completed approved copy of this APD.

1. EXISTING ROADS - See Exhibits B, C, D

Access to Coors Ute Tribal 5-18 begins at the City of Roosevelt, Utah, and proceeds along the following roads with approximate mileages as indicated:

Proceed westerly out of Roosevelt, Utah on U.S. Highway 40; proceed along Highway 40 approximately 17.3 miles to the Bridgeland Utah exit. Turn south and proceed 6.2 miles down Antelope Creek Road to the Junction of Sowers Canyon Road and Antelope Creek, proceed southeast on Antelope Creek Road 2.8 miles to the proposed access road to the southeast. Continue 0.3 miles on the access road to the location.

Road maintenance in the Antelope Creek Field to the well will be provided by a Coors Energy Company subcontractor. Maintenance will consist of periodic grading and repairs to the surface. During summer months, a watering program will be used to control dust. Rain and other inclement weather may require repairs to turnouts, waterbars, etc. Coors will not maintain Antelope Creek Road from Highway 40 to the north border of Antelope Creek Field unless under emergency situations after obtaining Duchesne County approval.

Materials for upgrading the existing road will come from the immediate area of road improvement work or will be hauled by a subcontractor from Duchesne as needed.

No upgrading of existing roads will be necessary to drill this well.

2. PLANNED ACCESS ROAD - See Exhibits B, D

The proposed access road will be 0.3 miles long. This proposed access road will be an 20' flat bladed road (10' either side of the centerline). There are no fences encountered along the proposed access road. Not over 20' will be cleared for new access roads. The maximum grade will be 8%. Maximum ROW will not exceed 30' with an 18' running surface.

Any trees cut during construction of the well pad which have a diameter exceeding 4", will be cut into 4' lengths and stacked along the road right of way. Any brush or trees less than 4" in diameter will be scattered off road right of way and located in an orderly fashion as ground cover. No firewood gathering will be allowed without a duly granted wood permit. Coors will obtain a timber permit for the trees which will need to be cleared on the access road to the location of the Ute 5-18 from the BIA prior to beginning construction of the access road. The 1586' access road will not require any road turnouts, culverts, gates, cattleguards or fence cuts. A borrow ditch will be installed adjacent to the access road for water drainage control. All travel will be confined to existing access road right of way. The Minerals Access Agreement, ROW and surface damage payment will be made to the Ute Tribe at a cost of \$2000 per acre on lease fee.

3. LOCATION OF EXISTING WELLS - See Exhibit E

Within a 2-mile radius of this proposed well, there are no drilling wells.

There are two P&A Well:

Ute Tribal B-1 operated by Amerada Petroleum Corp. Ute 184-1 operated by Sinclair Oil.

There are several producing wells:

Ute Tribal 2-5, 1-6, 2-6, 4-9, 2-16, 2-7, 3-7, 1-7, 1-8, 2-8, 1-17, 1-18, 2-18, 1-19, 1-20, 2-20, 3-8, 1-16, 4-18, 1-21, 3-20, 3-29, 4-29, 1-30, all operated by Coors Energy Company.

The Ute 3-5E3 and Ute 5-29E3 which are operated by Chevron Oil Company, and the Ironwood 13-15X and 12-11 and 24-12 Ironwood which are operated by the Ironwood Oil Co. The Shamrock 1-13 is operated by Shamrock Oil and Gas Co. See Exhibit E.

With the exception of the above mentioned wells, there are no:

- a) known water wells
- b) temporarily abandoned wells
- c) disposal wells
- d) injection wells
- e) monitoring or observation wells

A field survey was made by Uintah Engineering and Land Surveying for Coors Energy and no water wells were found within a 2-mile radius.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES - See Exhibits B

Coors Energy Company's production facilities in this area will be designed upon well completion and the plans for construction will be submitted to the BLM for their approval at a later time on a Sundry Notice. The required paint color for production facilities will be Deserk Brown, the facility will be painted within six months of installation.

Access to the well pad will be from the northeast side of the location.

The blooie pit will be installed on the south side of the well pad a minimum of 150' from the wellhead and separate from the reserve pit.

Coors Energy Company contacted Mr. Dale Workman at the Utah State University Extension Office at (801) 738-2080 regarding weed control on the wellsite and along access roads. We were informed that the following weeds are prevalent to this area: Nap Weed, White Top, Quack Grass, Canadian Thistle, Musk Thistle, Leafy Spury, Russian Olive Tree and Morning Glory. We will follow their recommended procedure and spray with the suggested chemicals to control noxious weeds in these areas.

For drilling operations, a survey map (Exhibit B) showing rig layout is attached. All necessary surface equipment will be spotted on the 225' x 325' wellsite pad.

All garbage and trash will be placed in a trash cage and hauled to an appropriate disposal site. No burning of any trash will occur at the location. Any disturbed area not required for producing operations will be restored according to BLM instructions. The production facilities will create no additional surface disturbances. The drilling waste pit will be fenced on three sides with 36" woven sheep wire with two strands of barbed wire on top of the sheep wire. Upon completion of the drilling operations, the fourth side will be fenced. The reserve pit will be lined with 10 mil plastic with sufficient bedding to cover any rocks. The liner will overlap the pit walls and be covered with dirt or rocks to prevent seepage. The reserve pit will be on the southeast side of the location, and will be reclaimed within 90 days from well completion.

Trash, litter and construction materials will not be tolerated along road ways or drilling sites.

5. LOCATION AND TYPE OF WATER SUPPLY - See Exhibit I

The source of the water used to drill this well will be from Mr. Alton Moon who owns the water rights from the Creek. Approximately 6000 bbls of water will be required to drill and complete this well. Water will be hauled by Curry Leasing. See Exhibit I, State of Utah Permit to Divert Water. Water will be taken from Antelope Creek approximately 600' southwest of the intersection of Antelope Creek and Sowers Creek Road in the NE/4 of Section 6, T5S-R3W.

6. SOURCE OF CONSTRUCTION MATERIALS - See Exhibit B

The top 6" of topsoil will be removed from the well pad and stored on the northeast end of the location as shown on Exhibit "B". Fill materials needed to construct the location will be derived locally from cuts needed to build the well pad. Any artifacts found on Tribal lands will be left in place and the BIA promptly notified.

7. METHODS FOR HANDLING WASTE DISPOSAL

Any excess drilling fluids, produced oil or water recovered during testing operations will be hauled to an approved disposal site if needed.

A mud reserve pit will be constructed for containment of drill cuttings as well as all drilling fluids and produced fluids. The reserve pit will be lined with 10 mil plastic and constructed with sufficient bedding to cover any rocks. 10' sewage holes for trailers will be dug or chemical-type toilets will be used for sewage disposal. All trash and garbage will be placed in a trash cage and hauled from the location to an appropriate disposal site. No burning of trash will be permitted at the location. The pit will be fenced as per statements in Section 4.

During production operations, all produced waters will be disposed of according to NTL-2B stipulations. Any salts or chemicals in the drilling mud will remain in the reserve pit and be buried in the pit. Upon completion of the drilling, the plastic liner will be perforated after the drilling mud has dried and before backfilling.

The reserve pit will be allowed to dry and then back-filled and the area restored according to BLM requirements upon completion of the well.

8. ANCILLARY FACILITIES

None will be required.

9. WELL SITE LAYOUT - See Exhibit B

Attached is a diagram showing the proposed wellsite layout. Diversion ditches shall be constructed on the south side of the location draining to the west. The #8 corner of the well pad will be rounded off by moving it in 50' towards the wellhead.

10. PLANS FOR RESTORATION OF SURFACE - See Exhibit B

Surface vegetation scraped off during drill site preparation will be removed and stock-piled prior to topsoil removal. Upon abandonment, vegetation will be redistributed as a mulching agent over the well site. The top 6" of topsoil will be stock-piled on the northeast side of the well site as shown on Exhibit "B".

The reserve pit and that part of the location not needed for production operations will be reclaimed within 90 days after completion of the well.

The original surface will be reconstructed as close as possible upon abandonment. The stock-piled topsoil will be spread over the area. Any solid waste material present prior to abandonment will be removed from the location. Any oil or deleterious liquids will be removed by a pump truck to an approved disposal area.

Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all trash will be removed. The access road will also be blocked during restoration. Prior to reseeding, all disturbed areas, including the access road will be scarified and left with a rough surface. The reserve pit and that part of the location not needed for production will be reclaimed in the same manner outlined in this section. The rehabilitated access road will be blocked to prevent any vehicle use.

The topsoil will be tested to determine if fertilizer is needed to re-establish vegetation. After spreading the stock-piled topsoil, the following seed mixture will be used for reseeding:

Smooth brome (Manchar)	5 lbs. pure live seed/acre
Orchard grass	5 lbs. pure live seed/acre
Timothy	5 lbs. pure live seed/acre
Intermediate wheatgrass	5 lbs. pure live seed/acre
Alsike clover	1 lb. pure live seed/acre

This mixture will be drilled to a depth of one-half inch and planted between September 15 and November 15 or until the ground freezes. This seeding program will be modified as per BIA instruction at the time of site restoration.

If any cultural resources are found during construction, all work will stop and the BLM will be notified.

Coors will notify the BIA and the BLM 48 hours prior to starting rehabilitation procedures.

11. OTHER INFORMATION - See Exhibits F, G, H, I, L

The Ute Tribal 5-18 is located approximately 10 miles south of Bridgeland, Utah on the Uintah and Ouray Indian Reservation. The area is covered with native sagebrush and cedar. No wildlife was observed on the location.

There are no occupied dwellings within approximately four (4) miles of the well site. An archeological report will be submitted directly to the BLM, BIA and Ute Tribe following receipt of this Application. As this well is on the Uintah and Ouray Indian Reservation, Coors will work closely with Ute Tribal representatives to ensure all Tribal requirements for drilling and production operations of this well are followed.

It is Coors Energy Company's policy that no Coors' employees nor subcontractors carry firearms on access roads nor onto the location during drilling or well completion operations of this well. No alcoholic beverages or drugs will be permitted on Coors' operations on Indian lands. No prospecting will be allowed on Coors' operations.

Attached is a copy of the Designation of Operator, (See Exhibit "G") and a copy of the Ute Tribal Notice stating their requirements when traversing or operating on Ute Indian lands, (See Exhibit "F").

A copy of the BLM Stipulations is attached to the application, (See Exhibit "K") and our Special BOP Instructions, (See Exhibit "H"), and a copy of the Mineral Access Agreement, (See Exhibit "L").

All operators, subcontractors and vendors will be confined to established roads and wellsites.

12. CONTACT

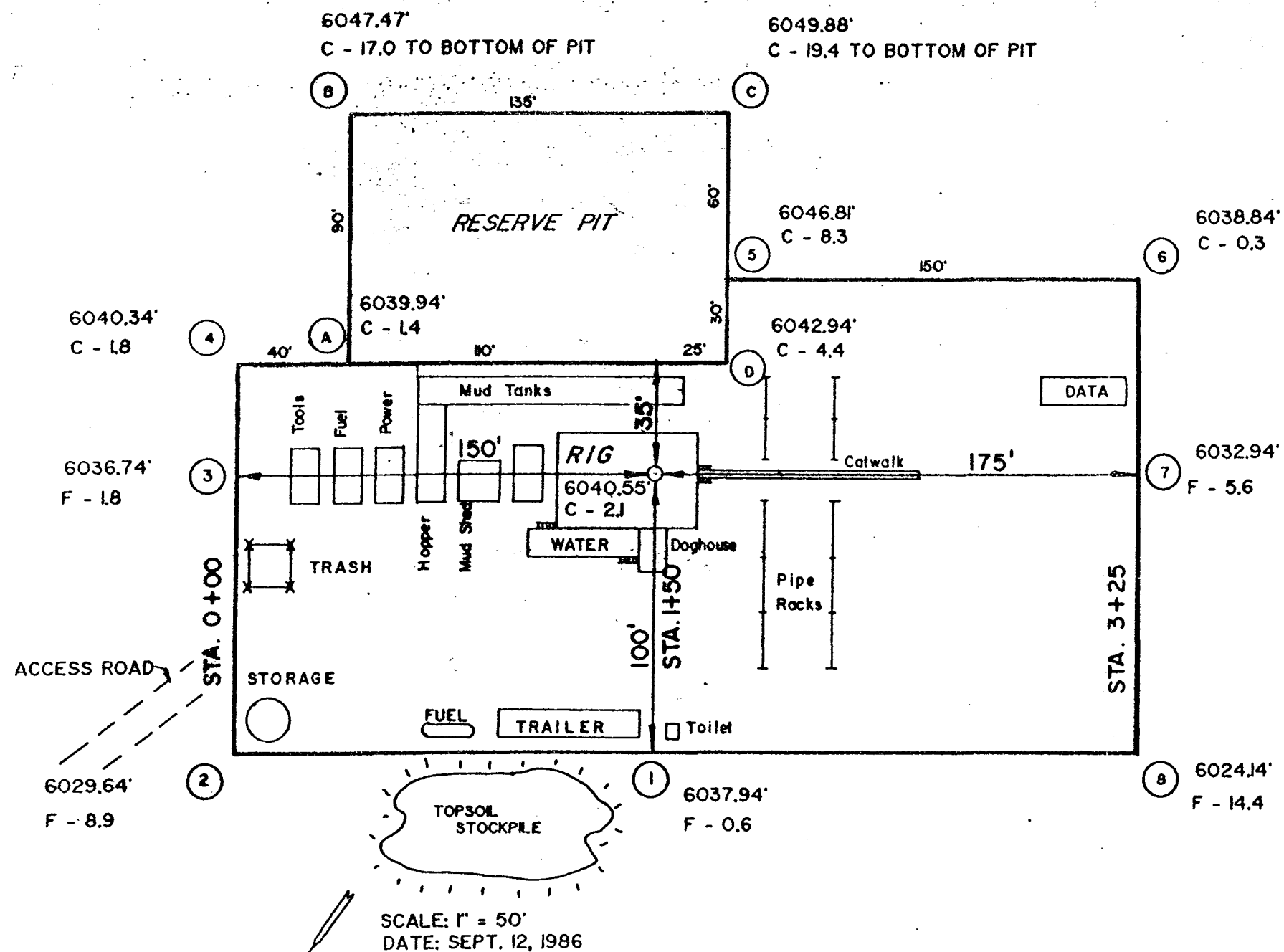
R. L. Martin
Vice President
Oil & Gas Operations
Coors Energy Company
P.O. Box 467
Golden, Colorado 80402
Phone: (303) 278-7030

Jim Simonton
Production Superintendent
PO Box 460
Roosevelt, Utah 84066
Phone: (801) 722-9977

13. CERTIFICATION

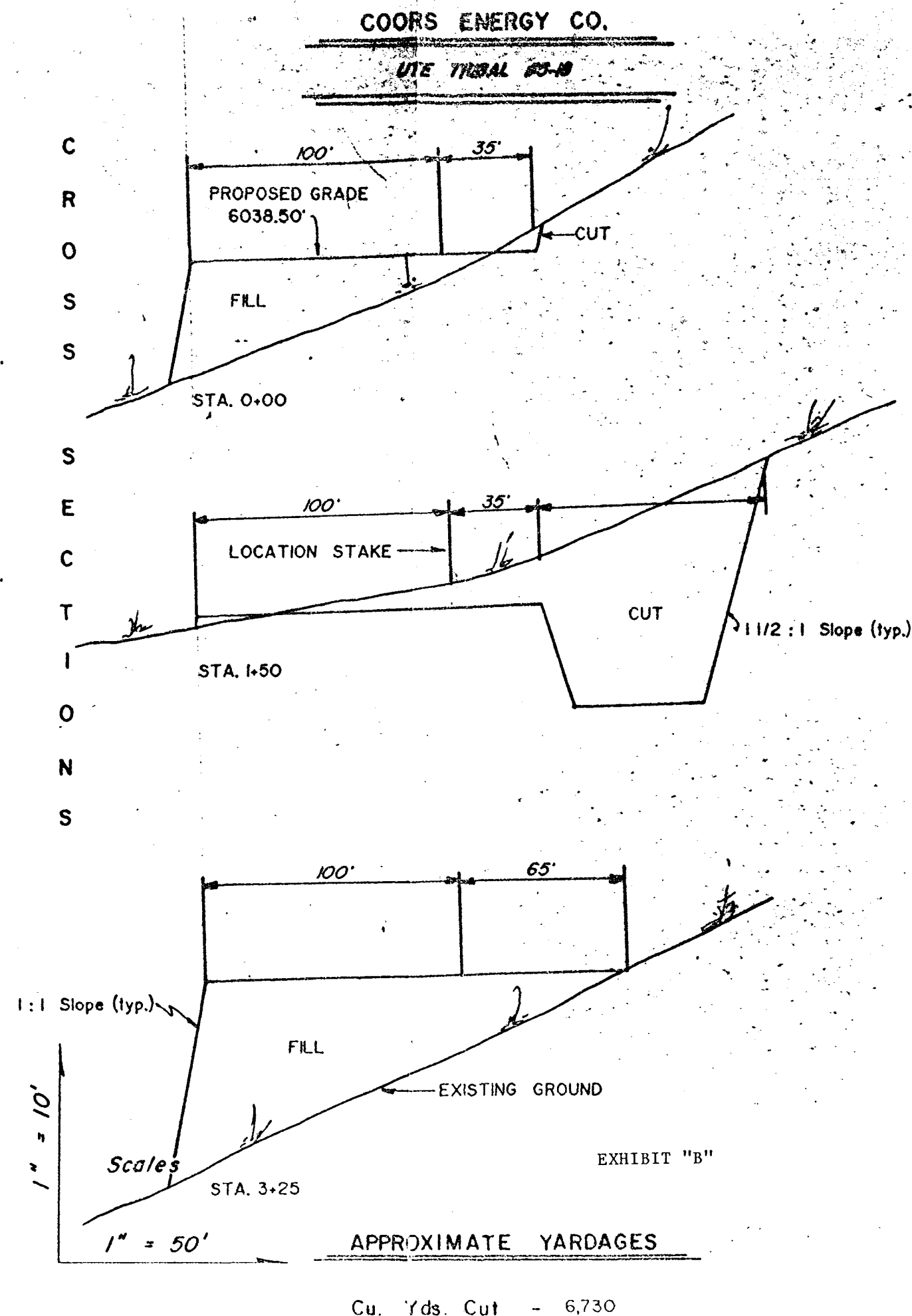
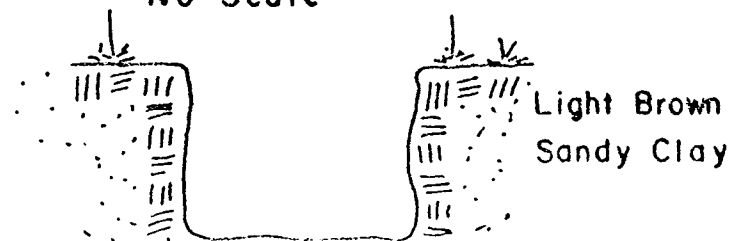
See Exhibit "J"

RLN:kr



SOILS LITHOLOGY

- No Scale -



COORS ENERGY CO.

U.T. TRACTS 5-18

PROPOSED LOCATION

TOPO.

MAP "A"

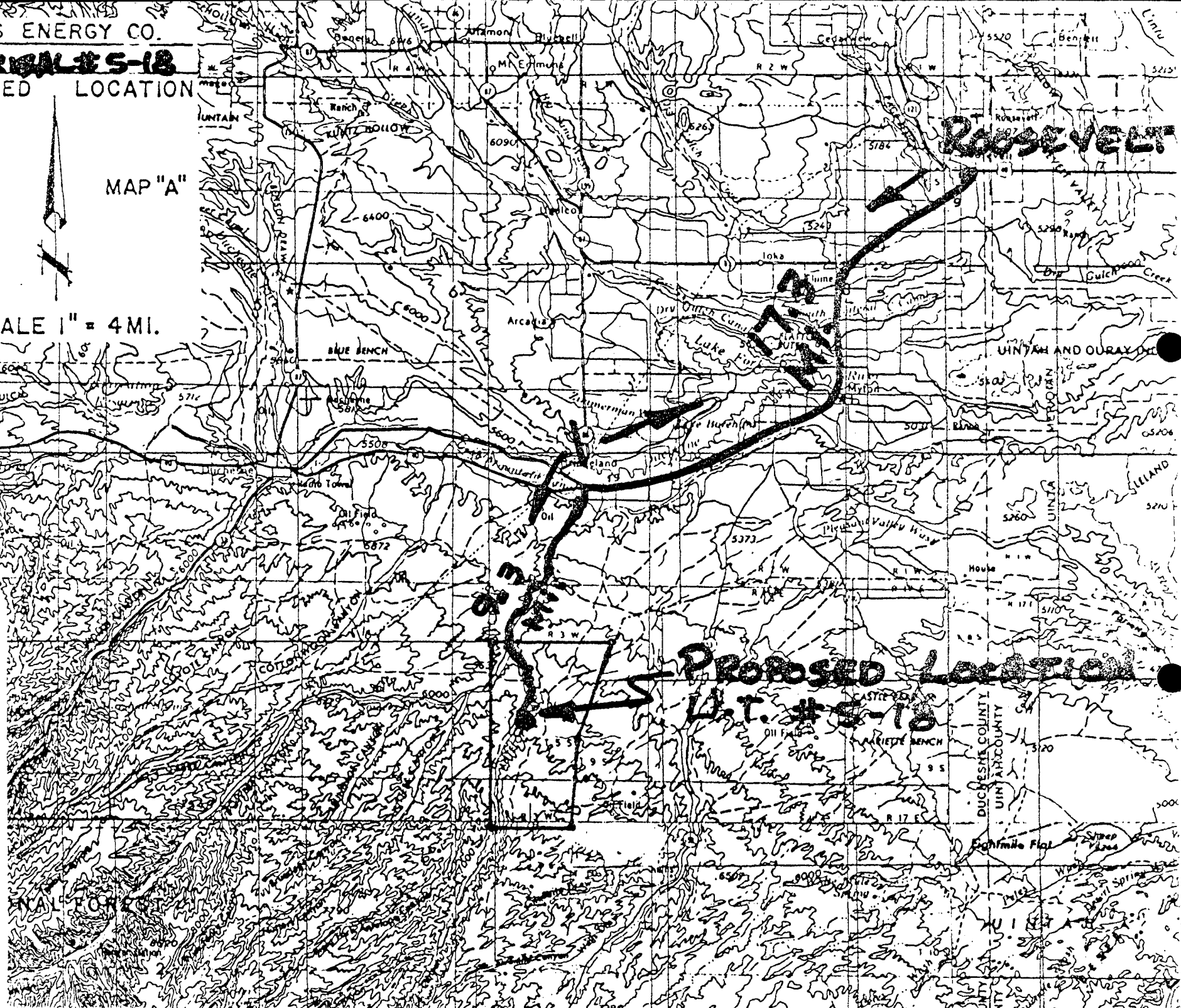
SCALE 1" = 4 MI.

EXHIBIT "C"

ROOSEVELT

PROPOSED LOCATION
U.T. #5-18

DUCHESS COUNTY
UNTAH COUNTY



COORS ENERGY CO.

UTE TRIBAL #5-18

PROPOSED LOCATION

TOPO.

MAP "B"

SCALE 1" = 2000'

R
4
W
R
3
W

Sowers

Creek

Antelope

2.8 Mi.

Boundary Access
Road to 1901

EXHIBIT "D"

PROPOSED LOCATION

U.T. #5-18

U.S. 100 6.2 Mi.
Roosevelt Mt.
23.5 Miles



UTE Energy & Minerals
P.O. Box 190
Fort Duchesne, Utah 84026

(801) 722-5141 x219

NOTICE

TO: All Well Operators, Lessees, Subcontractors, Vendors, and Affiliated Agents and Employees Thereof

When entering the Ute Reservation, the entering individual is coming into a sovereign nation separate and distinct from the State of Utah. As such, there are special requirements which must be complied with when traversing or operating on Ute Indian Lands.

1. Trespass permits shall be obtained and carried with individual on tribal lands at all times.

2. All operators, subcontractors, vendors, and their employees or agents shall not carry firearms or other weapons.

3. All operators, subcontractors, vendors, and their employees or agents are confined to established roads and well sites. All litter must be removed from Ute Lands.

4. All operators, subcontractors, vendors, and their employees or agents may not gather firewood on Indian lands. Absent a duly granted "wood permit," such gathering is a criminal offense punishable in Federal court.

5. If water or fill materials are needed in constructing roads, well sites, or are used in the drilling process, proper permits are needed. Required information for permits includes: a) the approximate amount of water or materials needed; b) the location and ownership of the water rights or materials to be used and; c) the approximate amount of water or materials to be used.

6) All artifacts found while on Tribal lands shall be left in place and the Tribe promptly notified of the find.

7) No prospecting will be allowed on Tribal lands.

8) No alcoholic beverages or drugs shall be permitted while working on the Reservation.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DESIGNATION OF OPERATOR

Indian Affairs

The undersigned is, on the records of the Bureau of ~~Land Management~~, holder of lease

STATE OFFICE: Ute Indian Tribe and Ute Distribution Corporation
SERIAL NO.: 14-20-H62-3513

and hereby designates

NAME: Coors Energy Company
ADDRESS: P.O. Box 467, Golden, Colorado 80402

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160) with respect to (describe acreage to which this designation is applicable):

Township 5 South, Range 3 West, U.S.M.
Section 18: SE $\frac{1}{4}$

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the authorized officer of any change in the designated operator.

CHEVRON U.S.A., INC.

By: 

(Signature of lessee)

Assistant Secretary

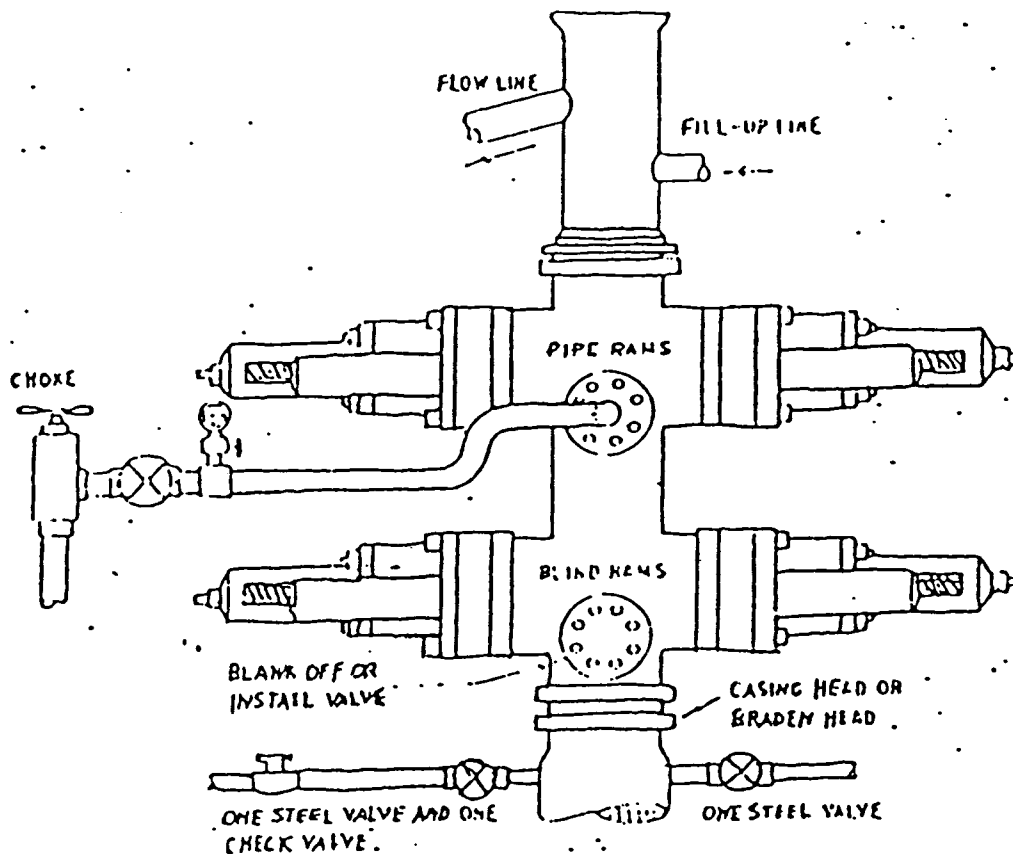
September 19, 1986
(Date)

P.O. Box 599, Denver, Colorado 80201
(Address)

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and thereto does not require OMB approval.

EXHIBIT "G"

SPECIAL BOP INSTRUCTIONS



THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- A. One double gate blowout preventer with lower rams blind and upper rams for pipe, all hydraulically controlled, opening on preventers between rams.
- B. Opening to be flanged, studded or clamped and at least two inches diameter.
- C. All connections from operating manifold to preventers to be all steel hose or tube a minimum of one inch in diameter.
- D. The available closing pressure shall be at least 15% in excess of that required with sufficient volume to operate the preventers.
- E. All connections to and from preventers to have a pressure rating equivalent to that of the BOPs.
- F. Manual controls to be installed before drilling cement plug.
- G. Valve to control flow through drill pipe to be located on Rig floor.
- H. Choke may be either positive or adjustable.
A choke spool may be used between preventers.
- I. Casinghead or bradenhead flange will be 10" API Series 900
- J. After each string of casing is run, BOP and casinghead will be tested to 1000 psi.
Pipe ram operation will be checked every 24 hours & blind rams checked every trip.



RECEIVED
OCT 13 1986

DIVISION OF
OIL, GAS & MINING

CERTIFICATION BY OPERATOR'S FIELD REPRESENTATIVE

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access road; that I am familiar with the conditions that presently exist; that the statements made in this plan are, to the best of my knowledge, true, complete, and correct; and that the work associated with this plan will be carried on by Coors Energy Company, and its contractors and subcontractors, in conformity with the plan and the terms and conditions under which it is approved.

10-13-86
Date

R. L. Martin
R. L. Martin
Vice President, Oil & Gas Production

kr

EXHIBIT "J"

Revised October 1, 1985

Date NOS Received 9-8-86

CONDITIONS OF APPROVAL
FOR THE SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL

Company/Operator COORS ENERGY COMPANY

Well Name & Number UTE TRIBAL 5-18

Lease Number 14-20-462-3513

Location NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18 T. 55 R. 3W

Surface Ownership UTE TRIBE

THIRTEEN POINT SURFACE USE PROGRAM:

Multipoint Requirements to Accompany APD

1. Existing Roads--describe the following and provide a legible map, labeled and showing:
 - A. Proposed wellsite as staked and access route to location, including distances from point where access route exits establish roads. (Actual staking should include two directional reference stakes.)
 - B. Route and distance from nearest town or locatable reference point, such as a highway or county road, to where well access route leaves main road.
 - C. Access road(s) to location color-coded or labeled.
 - D. Plans for improvement and/or maintenance of existing roads. (Appropriate rights-of-way for off lease roads should be attached.)
2. Planned Access Roads--describe the following and provide a map of suitable scale indicating all necessary access roads (permanent and temporary) to be constructed or reconstructed, showing:
 - A. Length - ~~10.3 MILES~~ 1586 FEET
 - B. Width - 30 foot right-of-way with 18 foot running surface maximum.
 - C. Maximum grades - 8%
 - D. Turnouts - N/A
 - E. Drainage design - BORROW DITCH
 - F. Location and size of culverts and/or bridges, and brief description of any major cuts and fills - ~~SEE ATTACHED MAP~~
 - G. Surfacing material (source) - NONE
 - H. Necessary gates, cattleguards, or fence cuts and/or modification to existing facilities - NONE
 - I. Access road surface ownership - UTE TRIBE

(New or reconstructed roads are to be centerline-flagged at time of location staking.)

All travel will be confined to existing access road rights-of-way.

Access roads and surface disturbing activities will conform to standards outlined in the USGS Publication (1978) Surface Operating Standards for Oil and Gas Development.

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

MINERALS ACCESS AGREEMENT FROM BIA
☒ Right-of-Way Application needed. If a ROW is necessary for the access road, a copy of the ROW grant shall be with the dirt contractor during the construction and thereafter kept on location with the complete copy of the approved APD.

Operators shall notify the following ROW grantees of their intent to use the existing roads and, if necessary, enter into a cooperative maintenance agreement.

The proposed access road shall utilize the upgraded 2-track trail approximately _____ (ft. or mile) as agreed upon during the onsite inspection. Remainder of planned access road will follow flagged route for _____.

☒ The operator/lessee or his successor shall be responsible for all maintenance on cattleguards or gates associated with this oil and/or gas operation.

3. Location of Existing Wells—describe the following and provide a map or plat of all wells within a 1 mile radius of the proposed well location showing and identifying existing:

- A. Water wells
- B. Abandoned wells
- C. Temporarily abandoned wells
- D. Disposal wells
- E. Drilling wells
- F. Producing wells
- G. Shut-in wells
- H. Injection wells

4. Location of Existing and/or Proposed Facilities

A. On well pad: Show the following existing area facilities and dimensions to be utilized if the well is successfully completed for production (detail painting plans and color if applicable):

- (1) Tank batteries
- (2) Production facilities
- (3) Oil gathering lines
- (4) Gas gathering lines
- (5) Injection lines
- (6) Disposal lines
- (7) Surface pits (separate application per NTL-2B requirements)*

(Indicate if any of the above lines are buried.)

B. Off well pad: Same as above. Off lease flowlines may require rights-of-way or special use permits, check with the Area Office Realty Specialist. (Include a diagram of the proposed attendant lines, i.e., flowlines, powerlines, etc., if off well pad location.)

- (1) Proposed location and attendant lines shall be flagged off of well pad prior to archaeological clearance.
- (2) Dimensions of facilities
- (3) Construction methods and materials
- (4) Protective measures and devices to protect livestock and wild-life

Note: Operator has option of submitting information under 4A and B., after well is completed for production, by applying for approval of subsequent operations.

If a tank battery is constructed on this lease, the battery or the well pad will be surrounded by a dike of sufficient capacity to contain $1\frac{1}{2}$ times the storage capacity of the battery. The integrity of the dike must be maintained.

Tank batteries will be placed ~~on the~~ AS PER SURVEY
NOTICE

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rock Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

The required paint color is DESERT BROWN 10 Y/R

5. Location and Type of Water Supply

- A. Show location and type of water supply, either by $\frac{1}{4}$, $\frac{1}{4}$ section on a map or by written description _____.
- B. State method of transporting water, and show any roads or pipelines needed.
- C. If water well is to be drilled on lease, so state. _____

*The operator will be responsible for acquiring the necessary permit to obtain water to be used for drilling activities.

6. Source of Construction Materials *ON LOCATION*

- ~~A. Show information either on map or by written description - _____.~~
- ~~B. Identify if from Federal or Indian (tribal or allotted) land.~~
- ~~C. Describe where materials such as sand, gravel, stone, and soil material are to be obtained and used.~~

~~*If fill materials are needed to construct roads or well sites, proper permits must be obtained from the Surface Management Agency, unless materials are obtained from a private source.~~

~~*A minerals material application (is/is not) required.~~

7. Methods for Handling Waste Disposal

- A. Describe methods and location of proposed safe containment and disposal of each type of waste material, including:

- (1) Cuttings
- (2) Sewage
- (3) Garbage (trash) and other waste material
- (4) Salts
- (5) Chemicals

- B. Provide a plan for eventual disposal of drilling fluids and any produced oil or water recovered during testing operations. _____

*Burning will not be allowed. All trash must be contained in a trash cage and hauled away to an approved disposal site at the completion of the drilling activities.

*Pits are not to be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls, unless otherwise herein provided.

On BLM administered lands:

The reserve pit (shall/shall not) be lined. _____

*If the pit is lined, it shall be constructed so as not to leak, break, or allow discharge.

_____ The bottom of the reserve pit shall not be in fill material.

For the following reasons the reserve pit will be lined:

_____ To conserve water (because of operator's request).

*If a plastic nylon reinforced liner is used it shall be torn and perforated before backfilling of the reserve pit.

_____ To protect the environment.

If the reserve pit is lined the operator will provide the BLM a chemical analysis of the fluids in that pit no later than 90 days after the well completion to determine the method for final reclamation of the reserve pit. If the elemental concentrations shown by the chemical analysis exceeds the requirements prescribed by Part II, Standards of Quality for Waters of the State, Wastewater Disposal Regulations, State of Utah Division of Health, the contents and liner will be removed and disposed of at an authorized disposal site.

_____ To protect the environment (without a chemical analysis).

Produced waste water will be confined to a (lined/unlined) pit or, if deemed necessary, a storage tank for a period not to exceed 90 days after first production. During the 90-day period an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

On BIA administered lands:

~~THE~~ reserve pits will be lined ~~with either native clay, commercial bentonite or plastic sufficient to prevent seepage.~~ *IN ORDER TO PROTECT ENVIRONMENT WITH* (If a plastic nylon reinforced liner is used, it shall be torn and perforated after the pit dries and before backfilling of the reserve pit.) *10 mil with SUFFICIENT BEDDING TO COVER ANY ROCKS*

_____ To protect the environment.

If the reserve pit is lined the operator will provide the BLM a chemical analysis of the fluids in that pit no later than 90 days after the well completion to determine the method for final reclamation of the reserve pit. If the elemental concentrations shown by the chemical analysis exceeds the requirements prescribed by Part II, Standards of Quality for Waters of the

State, Wastewater Disposal Regulations, State of Utah Division of Health, the contents and liner will be removed and disposed of at an authorized disposal site.

— To protect the environment (without a chemical analysis).

Pits will be constructed so as not to leak, break, or allow discharge of liquids.

— Storage tanks will be used if drill sites are located on tribal irrigable land, flood plains, or on lands under crop production.

Produced waste water will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. During the 90 day period an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

8. Ancillary Facilities

- A. Identify all proposed camps and airstrips on a map as to their location, and area required, and construction methods. (Camp center and airstrip centerlines to be staked on the ground.)

X Camp facilities or airstrips will not be required.

9. Well Site Layout--provide a plat (not less than 1" = 50') showing:

- A. Cross-sections of proposed drill pad with approximate cuts and fills and the relation to topography.
- B. Location of mud tanks, reserve, blooie, and emergency pits, pipe racks, living facilities, and soil material stockpiles, etc. (Approval as used in this section means field approval of location.)
- C. Rig orientation, parking areas, and access roads, etc.

All pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Any hydrocarbons on the pit will be removed from the pit as soon as possible after drilling operations are completed. Pits will be fenced and maintained until clean-up.

The fence will be constructed as prescribed in the USGS Publication (1978) Surface Operating Standards for Oil and Gas Development. Alternatives to the prescribed standards shall be submitted to the Authorized Officer for approval.

Well Site Layout: The reserve pit will be located on the: SE SIDE OF LOCATION

The stockpiled topsoil will be stored on the: NE SIDE OF LOCATION BETWEEN POINTS 1 & 2

Access to the well pad will be from the: NE SIDE BY R 2

— Diversion ditch(es) shall be constructed on the SOUTH side of the location (above / below) the cut slope, draining to the WEST

— Soil compacted earthen berm(s) shall be placed on the _____ side(s) of the location between the _____

— The drainage(s) shall be diverted around the _____ side(s) of the well pad location.

— The reserve pit and/or pad location shall be constructed long and narrow for topographic reasons _____

— The # 8 corner of the well pad will be rounded off to avoid the _____

BY MOVING IT
IN 50 FEET TOWARDS WELL HEAD.

10. Plans for Restoration of Surface

A. Provide a restoration program upon completion of operations, including:

- (1) Backfilling, leveling, recontouring, and waste disposal; segregation of topsoil from cut materials as needed
- (2) Revegetation and rehabilitation--including abandoned access roads or portions of well pads no longer needed (normally per BLM recommendations)
- (3) Proposed timetable for commencement and completion of rehabilitation operations

B. The following are provisions to be addressed in the restoration plan:

Immediately upon well completion, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc. will be removed. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed. The reserve pit will be reclaimed within 90 DAYS from the date of well completion.

All disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcast or drilled at a time specified by the BLM / BIA / FS / Private Surface Owner. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage and the seed mixture will be proportionately larger (double the lbs. per acre).

An appropriate seed mixture will be determined by the BLM / BIA / FS / Private Surface Owner, either as part of the Conditions of Approval of the APD or at the time restoration activities are scheduled to begin.

All seeding will be done from September 15th until the ground freezes.

At such time as the well is plugged and abandoned the operator will submit a surface reclamation plan to the Surface Management Agency for prescribed seed mixtures and reseeding requirements.

If the seeding is unsuccessful, the lessee/operator may be required to make subsequent seedings.

On BIA administered lands:

Abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include: (a) reestablishing irrigation systems where applicable, (b) reestablishing soil conditions in irrigated fields in such a way as to insure cultivation and harvesting of crops and, (c) insuring revegetation of the disturbed areas to the specifications of the Ute Indian Tribe or the BIA at the time of abandonment.

The operator will submit a plan of controlling noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. A list of noxious weeds can be obtained from the appropriate county extension office.

The BLM recommends the following procedure for reclamation:

Compacted areas of the well pad should be plowed or ripped to a depth of 12" before reseeding. Seeding should be done with a disc-type drill to ten inches apart. The seed should be planted between one-half inch deep and three quarter inch deep. A drag, packer or roller may be used to insure uniform coverage of the seed, and adequate compaction. Drilling of the seed should be done on the contour where possible. Where slopes are too steep for contour drilling a "cyclone" hand-seeder or similar broadcast seeder should be used, using twice the recommended seed per acre. Seed should then be covered to a depth described above by what-ever means is practical.

11. Surface Ownership: UTE TRIBE

Provide the surface ownership (Federal, Indian, State or private) at the well location, and for all lands crossed by roads which are to be constructed or upgraded.

Where the surface of the well site is privately owned, the operator shall provide the name, address, and, if known, telephone number of the surface owner.

12. Other Additional Information

The BLM recommends a general description of:

- A. Topography, soil characteristics, geologic features, flora and fauna
- B. Other surface-use activities and surface ownership of all involved lands
- C. Proximity of water, occupied dwellings, archaeological, historical or cultural sites

A cultural resource clearance will be required before any construction begins on Federal and Indian lands. However, historic and cultural resource work shall be undertaken only with the written consent of a private surface owner. If the private surface owner refuses entry for that purpose, the lessee or operator shall use its best efforts to conduct its approved operations in a manner that avoids adverse effects on any properties which are listed, or may be eligible for listing, in the NRHP.

If, during operations, any archaeological or historical sites, or any object of antiquity (subject to the Antiquities Act of June 8, 1906) are discovered, all operations which would affect such sites are to be suspended and the discovery reported promptly to the Surface Management Agency.

On BLM administered land, it is required that a proposed use of pesticide, herbicide or other possible hazardous chemicals shall be cleared for use prior to application.

On BIA administered land:

Operator's employees, including subcontractors, will not gather firewood along roads constructed by operators. If wood cutting is required, a permit will be obtained from the Forestry Department of the BIA pursuant to 25 CFR 169.13 "Assessed Damages Incident to Right-of-Way Authorization". All operators, sub-contractors, vendors and their employees or agents may not disturb saleable timber (including firewood) without a duly granted wood permit from the BIA Forester.

If the surface rights are owned by the Ute Indian Tribe and mineral rights are owned by another entity, an approved rights-of-way will be obtained from the BIA before the operator begins any construction activities. If the surface is owned by another entity and the mineral rights are owned by the Ute Indian Tribe, rights-of-way will be obtained from the other entity.

All roads constructed by operators on the Uintah and Ouray Indian Reservation will have appropriate signs. Signs will be neat and of sound construction. They will state: (a) that the land is owned by the Ute Indian Tribe, (b) the name of the operator, (c) that firearms are prohibited to all non-Ute Tribal members, (d) that permits must be obtained from the BIA before cutting firewood or other timber products and (e) only authorized personnel permitted.

All well site locations on the Uintah and Ouray Indian Reservation will have an appropriate sign indicating the name of the operator, the lease serial number, the well name and number, the survey description of the well (either footages or the quarter-quarter section, the section, township, and range).

Additional Surface Stipulations for BLM, BIA, FS, DWR, or Private Surface Lands:

X The operator or his contractor shall contact the BLM and BIA Offices at (801) 789-1362 (BLM) and (801) 722-2406 (BIA) between 24 and 48 hours prior to construction activities. Contact TIM O'BRIEN.

X The BLM and BIA Offices shall be notified upon site completion prior to moving on the drilling rig.

— No construction or drilling activities shall be conducted between November 1 thru March 1 because of bald and golden eagle winter habitat areas.

— No construction or drilling activities shall be conducted between _____ and _____ because of big game habitat areas.

— No construction or exploration activity will be permitted through _____ due to the presence of an active raptor nest or eyrie.

— No surface occupancy will be allowed within 1,000 feet of any sage grouse strutting ground.

— No construction or exploration activities are permitted within 1.5 mile radius of sage grouse strutting grounds from April 1 to June 30.

— There shall be no surface disturbance within 600 feet of live water (includes stock tanks, springs, and guzzlers).

— No cottonwood trees will be removed or damaged.

— A _____ ft. tree screen or vegetative buffer shall be left on the _____ side(s) of the well location, to minimize visual impacts and for watershed protection.

— All rock art sites will be avoided by construction/drilling/ maintenance activities by a minimum of 500 feet.

— No construction or drilling activities shall be conducted between _____ and _____ because of the possible presence of Threatened and Endangered plant species.

— Overhead flagging will be installed on pits to protect waterfowl and birds.

X BLOOM PIT WILL BE LOCATED BETWEEN
PTS. 5 & 6 A MINIMUM OF 150 FEET FROM THE
WELL HEAD & SEPARATE FROM THE
RESERVE PIT.

X NEED TIMBER PERMIT FOR TREES
ON ACCESS ROAD & LOCATION from BIA
JMS

Fence Stipulation:

Each existing fence to be crossed by the right-of-way shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is to be regularly travelled. If the well is a producer, the cattleguard (shall/shall not) be permanently mounted on concrete bases. Prior to crossing any fence located on federal land, or any fence between federal land and private land, the operator will contact the BLM, who will in turn contact the grazing permittee or owner of said fence and offer him/ her the opportunity to be present when the fence is cut in order to satisfy himself/herself that the fence is adequately braced and tied off.

Grazing Permittee _____

Address _____

Phone No. _____

Note: If the land is privately owned, these surface stipulations may be varied to comply with the operator - land owner agreement.

13. Lessee's or Operators Representative and Certification

Representative

Name: _____

Address: _____

Phone No. _____

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his sub-contractors. A copy of these conditions will be furnished the field representative to insure compliance.

The dirt contractor will be provided with an approved copy of the Surface Use Plan from the APD.

This drilling permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and, that the work associated with the operations proposed here will be performed by COORS

ENERGY CO.
and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date

Name and Title

Onsite Date: 10-3-86

Participants on Joint Inspection

<u>Timothy P. O'Brien</u>	<u>- BLM</u>
<u>Jim Simonson</u>	<u>Coors Energy Co.</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

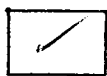
103001-APD

OPERATOR Coors Energy Co. DATE 10-20-86
WELL NAME Ute Shale 5-18
SEC NE SE 18 T 5S R 3W COUNTY Archuleta

43-013-31180
API NUMBER

Indian
TYPE OF LEASE

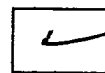
CHECK OFF:



PLAT



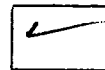
BOND

NEAREST
WELL

LEASE



FIELD

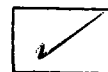
POTASH OR
OIL SHALE

PROCESSING COMMENTS:

No other wells within 920'
Water & - # 86-43-30 (Water Rights - 10/21/86)

APPROVAL LETTER:

SPACING: ☐ 203 _____ UNIT



302



CAUSE NO. & DATE



302.1

STIPULATIONS:

0218T



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

October 27, 1986

Coors Energy Company
P. O. Box 467
Golden, Colorado 80402

Gentlemen:

Re: Ute Tribal 5-18 - NE SE Sec. 18, T. 5S, R. 3W
667' FEL, 2151' FSL - Duchesne County, Utah

Approval to drill the referenced well is hereby granted in accordance with Rule 302, Oil and Gas Conservation General Rules.

In addition, the following actions are necessary to fully comply with this approval:

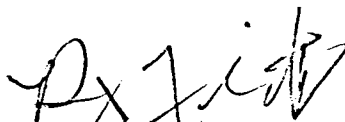
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule 311.3, Associated Gas Flaring, Oil and Gas Conservation General Rules.
5. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable State and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.

Page 2
Coors Energy Company
Ute Tribal 5-18
October 27, 1986

6. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-013-31180.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
Bureau of Indian Affairs
D. R. Nielson
8159T

112501

WATER PERMIT OK

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

API #43-013-31180

NAME OF COMPANY: COORS ENERGYWELL NAME: UTE TRIBAL 5-18SECTION NE SE 18 TOWNSHIP 5S RANGE 3W COUNTY DUCHESNEDRILLING CONTRACTOR LEON ROSSRIG # SPUDDED: DATE 11-20-86TIME 11:00 AMHOW Rat HoleDRILLING WILL COMMENCE Washburn #59REPORTED BY KarenTELEPHONE # (303) 278-7030DATE 11-20-86 SIGNED AS

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY 43.013.3480

120107

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Coors Energy Company

(303)

3. ADDRESS OF OPERATOR

PO Box 467, Golden, Colorado 80402

4. LOCATION OF WELL (Report location clearly and in accordance with State requirements.)

At surface

667' FEL, 2151' FSL, NE/4SE/4

At proposed prod. zone
sameDIVISION OF
OIL, GAS & MINING

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

approximately 10 miles south of Bridgeland

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

667'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1000'

19. PROPOSED DEPTH

6360'

20. ROTARY OR CABLE TOOLS

rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6041' GL

22. APPROX. DATE WORK WILL START*

November, 1986

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24.00#	400'	300 SX.
7-7/8"	5-1/2"	15.50#	6360'	1200 SX.

1. This well will be spudded in the Uintah Formation.
2. Estimated Green River top: 1324'.
3. Water zones are possible thruout the Green River formation as well as gas and or oil. No aquifers or other mineral zones are anticipated. Maximum expected bottom hole pressure is 2000 psi.
4. Attached is a diagram of the pressure control device to be used.
5. The proposed circulating medium will be 3% KCL water or a low-solids non-dispersed mud. Mud weights in excess of 10#/gal are not anticipated.
6. Auxiliary equipment: float will be run in the drill string, a full opening valve to fit the drill string will be on the rig floor at all times. Kelly cock valves will be used.
7. Coring is planned, drill stem tests may be run in potential pay zones.
8. No abnormal temperatures, pressures or potential hazards are expected.
9. Anticipated starting date: October, 1986. Duration of operations: 30 days.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

R. L. Martin

TITLE

V.P. O/G Operations

DATE

10-13-86

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DISTRICT MANAGER

DATE

11-13-86

CONDITIONS OF APPROVAL, IF ANY:

COPIES OF APPROVAL ATTACHED
TO OPERATOR'S COPY

NOTICE OF APPROVAL

*See Instructions On Reverse Side

memorandum

DATE: NOV 10 1986

REPLY TO
ATTN OF: Superintendent, Uintah and Ouray AgencySUBJECT: Coors Energy, Well No. 5-18, located in
Section 18, NE1/4SE1/4, T5S, R3W

TO: District Manager, Bureau of Land Management

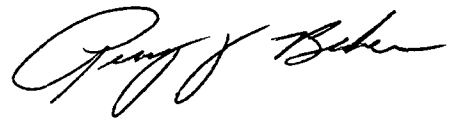
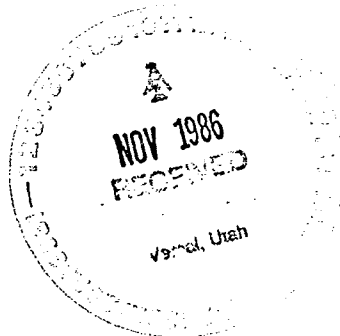
We (concur with or, recommend) approval of the Application for Permit to Drill subject well.

Based on available information on November 07, 1986, we have cleared the proposed location in the following areas of environmental impact.

YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	Listed threatened or endangered species.
YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	Critical wildlife habitat.
YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	Archaeological or cultural resources.
YES	<input type="checkbox"/>	NO	<input type="checkbox"/>	Air quality aspects (to be used only if project is in or adjacent to a Class I area of attainment).
YES	<input type="checkbox"/>	NO	<input type="checkbox"/>	Other (if necessary)

REMARKS: ✓ T & E clearance completed by BIA. A wood permit is not required. All wood will be stockpiled for use by Tribal members. 11/13/86

The necessary surface protection and rehabilitation requirements are as per approved APD.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL
WITHIN THE UINTAH OURAY RESERVATION

Company Coors Energy Company Well No. 5-18
Location NE/SE Sec. 18 T5S R3W Lease No. 14-20-H62-3513

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water zones and flows encountered while drilling will be reported to Wayne Svejnoha of this office and will be protected via the cementing program for the 5½" casing. Copies of State of Utah form OGC-8-X will be acceptable. If noticeable water flows are encountered, submit samples to this office along with any water analyses conducted by the operator.

2. Pressure Control Equipment

The BOP stack shall utilize an annular bag-type preventer. The ram-type preventers shall be tested to 2,000 psi. The annular preventer shall be tested to 1,500 psi.

All BOPE and testing procedures will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office shall be notified, with sufficient lead time, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Cement for the surface casing shall be brought back to surface level.

The District Office shall be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

4. Mud Program and Circulating Medium

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

No anticipated logging was mentioned in the APD. Please inform this office via sundry notice as to which tools will be run.

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, to the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than 5 days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of a District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

A first production conference will be scheduled within 15 days after receipt of the first production notice.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form

3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or work-over program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

In the event after-hour approvals are necessary, please contact one of the following individuals:

Craig M. Hansen Assistant District Manager for Minerals	(801) 247-2318
Gerald E. Kenczka Petroleum Engineer	(801) 781-1190
R. Allen McKee Petroleum Engineer	(801) 781-1368

Revised October 1, 1985

Date NOS Received 09/08/86

CONDITIONS OF APPROVAL
FOR THE SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL

Company/Operator Coors Energy Company
Well Name & Number Ute Tribal 5-18
Lease Number 14-20-H62-3513
Location NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18 T. 5 S. R. 3 W.
Surface Ownership Ute Tribe

THIRTEEN POINT SURFACE USE PROGRAM:

Multipoint Requirements to Accompany APD

1. Planned Access Roads

- A. Width - 30 foot right-of-way with 18 foot running surface maximum.

Access roads and surface disturbing activities will conform to standards outlined in the USGS Publication (1978) Surface Operating Standards for Oil and Gas Development.

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

2. Location of Existing and/or Proposed Facilities

If a tank battery is constructed on this lease, the battery or the well pad will be surrounded by a dike of sufficient capacity to contain $1\frac{1}{2}$ times the storage capacity of the battery. The integrity of the dike must be maintained.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

3. Methods for Handling Waste Disposal

Pits will be constructed so as not to leak, break, or allow discharge of liquids.

Produced waste water will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. During the 90 day period an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

4. Well Site Layout

The fence will be constructed as prescribed in the USGS Publication (1978) Surface Operating Standards for Oil and Gas Development. Alternatives to the prescribed standards shall be submitted to the Authorized Officer for approval.

5. Plans for Restoration of Surface

Immediately upon well completion, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production.

If the seeding is unsuccessful, the lessee/operator may be required to make subsequent seedings.

6. Surface Ownership: Ute Tribe

7. Other Additional Information

A wood permit is not required from BIA; all wood will be stockpiled for use by tribal members.

If, during operations, any archaeological or historical sites, or any object of antiquity (subject to the Antiquities Act of June 8, 1906) are discovered, all operations which would affect such sites are to be suspended and the discovery reported promptly to the Surface Management Agency.

All roads constructed by operators on the Uintah and Ouray Indian Reservation will have appropriate signs. Signs will be neat and of sound construction. They will state: (a) that the land is owned by the Ute Indian Tribe, (b) the name of the operator, (c) that firearms are prohibited to all non-Ute Tribal members, (d) that permits must be obtained from the BIA before cutting firewood or other timber products and (e) only authorized personnel permitted.

All well site locations on the Uintah and Ouray Indian Reservation will have an appropriate sign indicating the name of the operator, the lease serial number, the well name and number, the survey description of the well (either footages or the quarter-quarter section, the section, township, and range).

The BLM and BIA Offices shall be notified upon site completion prior to moving on the drilling rig.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

This drilling permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

120134

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		3. LEASE DESIGNATION AND SERIAL NO. 14-20-H62-3513
2. NAME OF OPERATOR Coors Energy Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Ute Tribe
3. ADDRESS OF OPERATOR PO Box 467, Golden, Colorado 80402		7. UNIT AGREEMENT NAME -----
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 667'FEL, 2151'FSL, NE/4SE/4		8. FARM OR LEASE NAME Ute Tribal
14. PERMIT NO. 43-013-31180		9. WELL NO. 5-18
15. ELEVATIONS (Show whether SP, ST, OR, etc.) 6041'GL		10. FIELD AND POOL, OR WILDCAT Antelope Creek
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 18, T5S-R3W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

11/20/86 Spudded well at 11:00AM 11/20/86

11/21/86 RIH w/10 jts 8-5/8" J55 24.00# STC casing w/GS and one centralizer, landed casing at 395'. Cemented w/40 bbls gel water, 225 sx. Class G cement w/2% CACL and 1/4#/sx. celloflakes.

11/22 to present WO drilling rig until further notice.

RECEIVED
NOV 28 1986DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

R. L. Martin

TITLE

V.P. O/G Operations

DATE

11/21/86

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

MINI TRIPLED APL
(Other instructions on
reverse side)

010517

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen
Use "APPLICATION FOR PERMIT—"

RECEIVED
DEC 24 1986

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		3. LEASE DESIGNATION AND SERIAL NO. 14-20-H62-3513
2. NAME OF OPERATOR Coors Energy Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Ute Tribe
3. ADDRESS OF OPERATOR PO Box 467, Golden, Colorado 80402		7. UNIT AGREEMENT NAME ---
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 667' FEL, 2151' FSL, NE/4SE/4		8. FARM OR LEASE NAME Ute Tribal
5. PERMIT NO. 43-013-31180		9. WELL NO. 5-18
6. ELEVATIONS (Show whether OF, RT, GA, etc.) 6041' GL		10. FIELD AND POOL, OR WILDCAT Antelope Creek
		11. SEC., T., R., M., OR BLK. AND SUBDIVISION OR AREA Sec. 18, T5S-R3W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

WATER SHUT-OFF

☐
☐
☐
☐

REPAIRING WELL

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETION

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

Progress Report

(Other)

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

11/23 to
12/7/86

12/8/86 MIRU Westburne Rig #58, drilled ahead.

12/9 to
12/19/86

Drilled to TD of 6360', ran 5-1/2" 15.50# casing to 5699.82' GL, cemented casing with 250 sx. Hifill cement w/ 1/2#/sx. floreal, 900 sx. 50/50 pozmix w/2% gel, 10% salt.

Cemented second stage with 50 sx. Hifill and 1/2#/sx. floreal and 100 sx. 50/50 pozmix with 2% gel, 10% salt.

Presently, WOCT.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. L. Martin
R. L. Martin

TITLE

V.P. O/G Operations

DATE

12-19-86

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONSENT OF APPROVAL IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____				5. LEASE DESIGNATION AND SERIAL NO. 14-20-H62-3513	
2. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. REVR. <input type="checkbox"/> Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME Ute Tribe	
3. NAME OF OPERATOR Coors Energy Company				7. UNIT AGREEMENT NAME -----	
4. ADDRESS OF OPERATOR P.O. Box 467, Golden, Colorado 80402				8. FARM OR LEASE NAME Ute Tribal	
5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 667' FEL, 2151' FSL, NE/4SE/4 At top prod. interval reported below same At total depth same				9. WELL NO. 5-18	
10. FIELD AND POOL, OR WILDCAT Antelope Creek				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 18, T5S-R3W	
12. PERMIT NO. 013-43-103-31180 DATE ISSUED 10/27/86				12. COUNTY OR PARISH Duchesne	
13. DATE SPUDDED 11/20/86				13. STATE Utah	
14. DATE T.D. REACHED 12/18/86				14. ELEVATIONS (OF, BSR, RT, OR, ETC.)* 6041' GL	
15. DATE COMPL. (Ready to prod.) 12/28/86				15. ELEV. CASINGHEAD -----	
16. TOTAL DEPTH, MD & TVD 6360'		17. PLUG BACK T.D., MD & TVD 5659		18. IF MULTIPLE COMPL. HOW MANY* -----	
19. INTERVALS DRILLED BY -----		20. ROTARY TOOLS 0-6360'		21. CABLE TOOLS no	
22. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Green River 5554 to 4943				23. WAS DIRECTIONAL SURVEY MADE no	
24. TYPE ELECTRIC AND OTHER LOGS RUN CBL, DIL, CNL CBL GR				25. WAS WELL COILED no	
26. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB/FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24.00#	395'	12-1/4"	225 SX	
5-1/2"	15.50#	5700'	7-7/8"	1300 SX	
27. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	
28. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKED SET (MD)			
2 7/8	5600				
29. PERFORATION RECORD (Interval, size and number)					
5554, 53, 52, 51, 5430, 29, 28, 27, 17, 16, 15, 14, 5382, 81, 78, 77					
5043, 42, 41, 31, 30, 29, 28, 12, 11, 10, 09, 08, 4946, 45, 44, 43					
30. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
5554 - 5377			135,000 20/40 and 15,000 10/20 150/ BBIs Fluid		
5043 - 4943			95,000 20/40 and 15,000 10/20 1235 BBLs fluid		
31. PRODUCTION					
DATE FIRST PRODUCTION 12/28/86		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flowing			WELL STATUS (Producing or shut-in) producing
DATE OF TEST 12/28/86	HOURS TESTED 24	CHOKER SIZE	PROD'N. FOR TEST PERIOD -----	OIL—BSL 25	GAS—MCF. 35
WATER—BSL 20 BLW	GAS-OIL RATIO 1400				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE -----	OIL—BSL 25	GAS—MCF. 35	WATER—BSL 20 BLW
OIL GRAVITY-API (CORR.) -----					
32. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) vented					
33. TEST WITNESSED BY JIM Simonton					
34. LIST OF ATTACHMENTS -----					
35. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <u>D. S. Sprague</u>		TITLE <u>Director O/G Operations</u>		DATE <u>12/28/86</u>	
* (See Instructions and Spaces for Additional Data on Reverse Side)					

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMITTED BY
10/1/86 (Instructions on
reverse side)

012215

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		3. LEASE DESIGNATION AND SERIAL NO. 14-20-H62-3513	
2. NAME OF OPERATOR Coors Energy Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Ute Tribe	
3. ADDRESS OF OPERATOR PO Box 467, Golden, Colorado 80402		7. UNIT AGREEMENT NAME -----	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 667' FEL, 2151' FSL, NE/SE		8. FARM OR LEASE NAME Ute Tribal	
10. PERMIT NO. 43-013-31180		9. WELL NO. 5-18	
11. ELEVATIONS (Show whether SV, RT, GA, etc.) 6041' GL		10. FIELD AND POOL, OR WILDCAT Antelope Creek	
		11. SEC., T., R., W., OR BLK. AND SURVEY OR AREA Sec. 18, T5S-R3W	
		12. COUNTY OR PARISH Duchesne	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETION

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐
☐

FRACTURE TREATMENT

REPAIRING WELL

☐
☐
☐
☐
☐

SHOOTING OR ACIDIZING

ALTERING CASING

(Other)

First Production

ABANDONMENT*

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Date of first production: 12/28/86

Sales from this well will be made to the following:

OIL:

Texaco Trading & Transportation
PO Box 5568
Denver, Colorado 80217

GAS:

Coors Energy Company
PO Box 467
Golden, Colorado 80402

18. I hereby certify that the foregoing is true and correct

SIGNED

R. L. Martin
R. L. Martin

TITLE V.P. O/G Operations

DATE

1-14-87

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

COMMITTEE OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☒ DRY ☐ Other _____

2. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☒ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other _____

3. NAME OF OPERATOR

Coors Energy Company

4. ADDRESS OF OPERATOR

PO Box 467, Golden, Colorado 80402 FEB 09 1987

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 667' FEL, 2151' FSL, NE/SE

At top prod. interval reported below
sameAt total depth
sameDIVISION OF
OIL, GAS & MINING

14. PERMIT NO.

43-013-31180

DATE ISSUED

10/27/86

3. LEASE DESIGNATION AND SERIAL NO.

14-20-H62-3513

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Ute Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Ute Tribal

9. WELL NO.

5-18

10. FIELD AND POOL, OR WILDCAT

Antelope Creek

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 18, T5S-R3W

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

15. DATE STUDDED

11/20/86

16. DATE T.D. REACHED

12/18/86

17. DATE COMPL. (Ready to prod.)

12/28/86

18. ELEVATIONS (OF. RER. RT. OR, ETC.)*

6041' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

6360'

21. PLUG BACK T.D., MD & TVD

5659'

22. IF MULTIPLE COMPL. HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

0-6360'

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*

Green River Formation: 5554-4444'

25. WAS DIRECTIONAL SURVEY MADE

no

26. TYPE ELECTRIC AND OTHER LOGS RUN

CBL, DIL, CNL, GR. 3-487

27. WAS WELL CORED

no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	MOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24.00#	395'	12-1/4"	225 sx.	
5-1/2"	15.50#	5700'	7-7/8"	1300 sx.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	5558'	

31. PERFORATION RECORD (Interval, size and number)

5554, 53, 52, 51; 5430, 29, 28, 27, 17,
16, 15, 14; 5382, 81, 78, 77' w/1 SPF
4607-17' and 4444-49' w/1 SPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5554-5377'	135,000# 20/40 sand, 15,000# 10/20 sand, 1507 BW
4444-4617'	111,000# 20/40 sand, 15,000# 12/20 sand, 1379 BW

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
12/28/86		Pumping					Producing	
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO	
2/1/87 Retested	24		→	52	38	2	731	
FLOW, TUBING PRSG.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)		
125	325	→	52	38	2	40+		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

TEST WITNESSED BY

Jim Simonton

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

R. L. Martin

TITLE

V.P. O/G Operations

DATE

2/4/87

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 23: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS				
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	THICKNESS
Green River:	1502'						
Green River (Parachute Creek):	2850'						
Green River (Garden Gulch):	3730'						
Green River (Upper Douglas Creek):	4406'						

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

REVISED COPY

SERIAL NO.
14-20-H62-35136. IF INDIAN, ALLOTTEE OR TRIBE NAME
Ute Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Ute Tribal

9. WELL NO.

5-18

10. FIELD AND POOL, OR WILDCAT

Antelope Creek

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec. 18, T5S-R3W

12. COUNTY OR
PARISH
Duchesne13. STATE
Utah

19. ELEV. CASINGHEAD

23. WAS DIRECTIONAL
SURVEY MADE

no

25. WAS WELL CORED

no

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL:

OIL
WELL ☒GAS
WELL ☒DRY ☐

Other

A. TYPE OF COMPLETION:

NEW
WELL ☒WORK
OVER ☐DEEP-
EN ☐PLUG
BACK ☐DIFF.
REVR. ☐

Other

2. NAME OF OPERATOR

Coors Energy Company

3. ADDRESS OF OPERATOR

PO Box 467, Golden, Colorado 80402

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 667' FEL, 2151' FSL, NE/4SE/4

At top prod. interval reported below
same

At total depth

same

14. PERMIT NO.

43-013-31180

DATE ISSUED

10/27/86

15. DATE SPUDDED

11/20/86

16. DATE T.D. REACHED

12/18/86

17. DATE COMPL. (Ready to prod.)

12/28/86

18. ELEVATIONS (OF RER, BT, OR, ETC.)*

6041' GL

20. TOTAL DEPTH, MD & TVD

6360'

21. PLUG BACK T.D., MD & TVD

5659'

22. IF MULTIPLE COMPL.,
HOW MANY*

23. INTERVALS
DRILLED BY

ROTARY TOOLS

0-6360'

CABLE TOOLS

no

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Green River Formation: 5554-5377'

26. TYPE ELECTRIC AND OTHER LOGS RUN

CBL, DIL, CNL, GR

23.

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	MOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24.00#	395'	12-1/4"	225 SX.	
5-1/2"	15.50#	5700'	7-7/8"	1300 SX.	

29.

LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)

30.

TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	5600'	

31. PERFORATION RECORD (Interval, size and number)

5554, 53, 52, 51; 5430, 29, 28, 27, 17, 16, 15, 14;
5382, 81, 78, 77

32. ACID, SHOT, FRACTURE CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5554-5377'	135,000# 20/40 sand, 15,000# 10/20 sand, 1507 BW

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
12/28/86		Flowing					Producing	
DATE OF TEST	MOSES TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL	GAS—MCF.	WATER—BSL	GAS-OIL RATIO	
12/28/86	24		→	25	35	20BLW	1400	
FLOW, TUBING FROM	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL	GAS—MCF.	WATER—BSL	OIL GRAVITY-API (CORR.)		
		→	25	35	20 BLW			

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

TEST WITNESSED BY

Jim Simonton

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

R. L. Martin

TITLE

V.P. O/G Operations

DATE

2/4/87

(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formations and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CURSION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Green River:	1502'				
Green River (Parachute Creek):	2850'				
Green River Garden Gulch):	3730'				
Green River (Upper Douglas Creek):	4406'				

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

REVISED COPY

AND SERIAL NO.

14-20-H62-3513

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Ute Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Ute Tribal

9. WELL NO.

5-18

10. FIELD AND POOL, OR WILDCAT

Antelope Creek

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec. 18, T5S-R3W

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

12. TYPE OF WELL:

OIL
WELL ☒GAS
WELL ☒DRY ☐

Other _____

13. TYPE OF COMPLETION:

NEW
WELL ☒WORK
OVER ☐DEEP-
EN ☐PLUG
BACK ☐DIFF.
REVE. ☐

Other _____

2. NAME OF OPERATOR

Coors Energy Company

3. ADDRESS OF OPERATOR

PO Box 467, Golden, Colorado 80402

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 667' FEL, 2151' FSL, NE/4SE/4

At top prod. interval reported below
same

At total depth

same

14. PERMIT NO.

43-013-31180

DATE ISSUED

10/27/86

12. COUNTY OR
PARISH

Duchesne

13. STATE

Utah

15. DATE SPUDDED

11/20/86

16. DATE T.D. REACHED

12/18/86

17. DATE COMPL. (Ready to prod.)

12/28/86

18. ELEVATIONS (OF, BBL, RT, OR, ETC.)*

6041' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

6360'

21. PLUG, BACK T.D., MD & TVD

5659'

22. IF MULTIPLE COMPL.
HOW MANY*

23. INTERVALS
DRILLED BY

ROTARY TOOLS

0-6360'

CABLE TOOLS

no

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Green River Formation: 5554-5377'

25. WAS DIRECTIONAL
SURVEY MADE

no

26. TYPE ELECTRIC AND OTHER LOGS RUN

CBL, DIL, CNL, GR

27. WAS WELL CORED

no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24.00#	395'	12-1/4"	225 sx.	
5-1/2"	15.50#	5700'	7-7/8"	1300 sx.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	5600'	

31. PERFORATION RECORD (Interval, size and number)

5554, 53, 52, 51; 5430, 29, 28, 27, 17, 16, 15, 14;
5382, 81, 78, 77

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5554-5377'	135,000# 20/40 sand, 15,000# 10/20 sand, 1507 BW

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
12/28/86		Flowing					Producing	
DATE OF TEST	MOSES TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL	GAS—MCF.	WATER—BBL	GAS-OIL RATIO	
12/28/86	24		→	25	35	20BLW	1400	
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL	GAS—MCF.	WATER—BBL	OIL GRAVITY-API (CORR.)		
		→	25	35	20 BLW			

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

TEST WITNESSED BY

Jim Simonton

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

R. L. Martin

TITLE

V.P. O/G Operations

DATE

2/4/87

(See Instructions and Spaces for Additional Data on Reverse Side)



March 2, 1987

RECEIVED
MAR 04 1987

State of Utah
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203

DIVISION OF
OIL, GAS & MINING

Attn: Ms. Vicki Carney

Dear Vicki:

Enclosed please find one copy each of the CBL, CD-CNL and DIL logs for the following well:

Ute Tribal 5-18
Section 18, T5S-R3W
Duchesne County, Utah

I do not have a copy of the GR log for this well in my files. If you need a copy of the Gamma Ray in addition to the logs sent, please let me know and I will order a copy.

Thank you.

Very truly yours,

Karen Rohrer
Production Secretary

KR

Enclosures

COMPANY: COORS ENERGY UT ACCOUNT # N5090 SUSPENSE DATE: 3-16-87

TELEPHONE CONTACT DOCUMENTATION

CONTACT NAME: KAREN ROHRER

CONTACT TELEPHONE NO.: (303) 278-7030

SUBJECT: ~~KAREN~~ Requested copies of logs: Utah Tribal 5-18

43013 3/1/80

CBL 55 3W 18

DIL

CNL

GR (Use attachments if necessary)

RESULTS:

Karen will send copies of logs.

(Use attachments if necessary)

CONTACTED BY: UC

DATE: 3-2-87

rec'd
3-4-87



UTAH
NATURAL RESOURCE
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut
84180-1203. • (801-538-5340)

Page 3 of 6

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• MARYELLEN VIALPANDO
COORS ENERGY
PO BOX 467
GOLDEN CO 80402-0467

Utah Account No. N5090

Report Period (Month/Year) 7 / 92

Amended Report ☐

Well Name	Producing	Days	Production Volume		
API Number Entity Location	Zone	Oper	Oil (BBL)	Gas (MSCF)	Water (BBL)
UTE TRIBAL 1-18					
✓ 4301330761 09387 05S 03W 18	GRRV		14-20-H62-3513		
UTE TRIBAL 2-18					
✓ 4301330881 09387 05S 03W 18	GRRV		"		
UTE TRIBAL #4-18					
✓ 4301331099 09387 05S 03W 18	GRRV		"		
UTE TRIBAL #5-18					
✓ 4301331180 09387 05S 03W 18	GRRV		"		
UTE TRIBAL 1-4					
✓ 4301330762 09388 05S 03W 4	GRRV		14-20-H62-3503		
UTE TRIBAL 1-29					
✓ 4301330763 09389 05S 03W 29	GRRV		14-20-H62-3518		
UTE TRIBAL 2-29					
✓ 4301330849 09389 05S 03W 29	GRRV		"		
UTE TRIBAL 6-29					
✓ 4301331305 09389 05S 03W 29	GRRV		"		
UTE TRIBAL 1-20					
✓ 4301330764 09390 05S 03W 20	GRRV		14-20-H62-3515		
UTE TRIBAL 1-5					
✓ 4301330785 09391 05S 03W 5	GRRV		14-20-H62-3504		
UTE TRIBAL 4-5					
✓ 4301331306 09391 05S 03W 5	GRRV		"		
UTE TRIBAL 1-7					
✓ 4301330788 09392 05S 03W 7	GRRV		14-20-H62-3506		
UTE TRIBAL 1-17					
✓ 4301330790 09394 05S 03W 17	GRRV		14-20-H62-3512		
TOTAL					

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete.

Date _____

Authorized signature _____

Telephone _____



P.O. BOX 467 GOLDEN, COLORADO 80401

September 1, 1992

State of Utah
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203

Attn: Mr. Ron Firth

Dear Mr. Firth:

This letter is to advise you that effective September 1, 1992 Coors Energy Company has sold its oil and gas properties located in Duchesne County, Utah to the following Company:

Evertson Oil Company, Inc.
P.O. Box 397
Kimball, Nebraska 69145
Mr. Bruce F. Evertson, President
Phone No.: (308) 235-4871

The sale includes the following wells:

<u>WELL NAME</u>	<u>API NO.</u>
✓State 2-6	43-013-30891
✓Ute Tribal 1	43-013-20045
✓Ute Tribal 1-10	43-013-30805
✓Ute Tribal 1-10D	43-013-31211
✓Ute Tribal 1-15	43-013-30880
✓Ute Tribal 1-15D	43-013-30712
✓Ute Tribal 1-16	43-013-30804
✓Ute Tribal 1-17	43-013-30790
✓Ute Tribal 1-18	43-013-30761
✓Ute Tribal 1-19	43-013-30803
✓Ute Tribal 1-20	43-013-30764
✓Ute Tribal 1-20D	43-013-31239
✓Ute Tribal 1-21	43-013-30883
✓Ute Tribal 1-24D	43-013-31234

RECEIVED

SEP 04 1992

DIVISION OF
OIL GAS & MINING

Page 2
Change of Operator
Duchesne County, Utah

<u>WELL NAME</u>	<u>API NO.</u>
✓Ute Tribal 1-28	43-013-30802
✓Ute Tribal 1-29	43-013-30763
✓Ute Tribal 1-3	43-013-30823
✓Ute Tribal 1-30	43-013-30852
✓Ute Tribal 1-32	43-013-30853
✓Ute Tribal 1-33	43-013-30806
✓Ute Tribal 1-3D	43-013-31242
✓Ute Tribal 1-4	43-013-30762
✓Ute Tribal 1-5	43-013-30785
✓Ute Tribal 1-6	43-013-30793
✓Ute Tribal 1-7	43-013-30788
✓Ute Tribal 1-7D	43-013-31198
✓Ute Tribal 1-8	43-013-30759
✓Ute Tribal 2-10	43-013-31187
✓Ute Tribal 2-10D	43-013-31219
✓Ute Tribal 2-15D	43-013-31200
✓Ute Tribal 2-16	43-013-31166
Ute Tribal 2-18	43-013-
Ute Tribal 2-18D	43-013-30881
✓Ute Tribal 2-20	43-013-30882
✓Ute Tribal 2-29	43-013-30849
✓Ute Tribal 2-3	43-013-31097
✓Ute Tribal 2-31	43-013-31188
✓Ute Tribal 2-4	43-013-30879 (w/w)
✓Ute Tribal 2-5	43-013-30824
✓Ute Tribal 2-7	43-013-30825
✓Ute Tribal 2-8	43-013-30826
✓Ute Tribal 2-8D	43-013-31199
✓Ute Tribal 2-9	43-013-30789
✓Ute Tribal 3	43-013-15319
✓Ute Tribal 3-10D	43-013-31217
✓Ute Tribal 3-20	43-013-31175
✓Ute Tribal 3-29	43-013-30850
✓Ute Tribal 3-4	43-013-30878
✓Ute Tribal 3-5-E3	43-013-30938
✓Ute Tribal 3-7	43-013-30828
✓Ute Tribal 3-8	43-013-31101
✓Ute Tribal 4	43-013-15321
✓Ute Tribal 4-10D	43-013-31226
✓Ute Tribal 4-17D	43-013-31201
✓Ute Tribal 4-18	43-013-31099
✓Ute Tribal 4-18D	43-013-30838
✓Ute Tribal 4-29	43-013-30851
✓Ute Tribal 4-4	43-013-30848
✓Ute Tribal 4-5	43-013-31306
✓Ute Tribal 4-8	43-013-31164
✓Ute Tribal 4-9	43-013-31165
✓Ute Tribal 5	43-013-15322
✓Ute Tribal 5-18	43-013-31180
✓Ute Tribal 5-29-E3	43-013-30939

RECEIVED

SEP 04 1992

DIVISION OF
OIL GAS & MINING

Page 3
Change of Operator
Duchesne County, Utah

<u>WELL NAME</u>	<u>API NO.</u>
✓Ute Tribal 5-8	43-013-31307
✓Ute Tribal 6	43-013-15323
✓Ute Tribal 6-10D	43-013-31236
✓Ute Tribal 6-16D	43-013-31204
✓Ute Tribal 6-29	43-013-31305
✓Ute Tribal 6-4	43-013-31100
✓Ute Tribal 7	43-013-15324
✓Ute Tribal 7-16D	43-013-31221
✓Ute Tribal 7-29	43-013-31339
✓Ute Tribal 8	43-013-30028
✓Ute Tribal 8-16D	43-013-31220
✓Ute Tribal 1-21D	43-013-31347
✓Ute Tribal 1-22D	43-013-31349

On this date, we are also notifying the BLM, BIA and the Ute Tribe of this change of operator.

Would you please forward this letter on to anyone else at the State office who might need to have this information. Let us know if we can be of further assistance or if you have any questions.

Very truly yours,



Doug S. Sprague
Manager
Engineering & Operations

DSS:kr

RECEIVED

SEP 04 1992

DIVISION OF
OIL GAS & MINING

EVERTSON OIL COMPANY, INC.
P. O. BOX 397
KIMBALL, NE 69145
308/235-4871

RECEIVED

SEP 25 1992

DIVISION OF
OIL GAS & MINING

September 21, 1992

Lisha Romero
State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Dear Lisha:

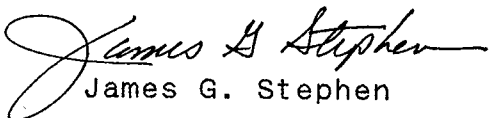
Enclosed please find a listing of wells purchased from Coors Energy Company. These are all the wells on which Evertson Oil Company, Inc. will be taking over operations effective September 1, 1992.

I assume that Coors Energy Company has submitted the change of operator forms as required.

I will be forwarding the bonding information required by the U.S. Department of Interior, Bureau of Indian Affairs, as soon as that information is available.

Should you have any questions or need additional information, please let me know.

Sincerely,


James G. Stephen

JGS/iks
enc.

/9258

EVERTSON OIL COMPANY, INC.
SCHEDULE OF WELLS

Well Number	Well Name	State	County	Township	Range	Section	Quadrant
1510103	Ute Tribal 1-3	Utah	Duchesne	5S	3W	3	SW/SW
1510104	Ute Tribal 1-4	Utah	Duchesne	5S	3W	4	NE/NE
1510105	Ute Tribal 1-5	Utah	Duchesne	5S	3W	5	NW/NE
1510106	Ute Tribal 1-6	Utah	Duchesne	5S	3W	6	SE/SE
1510107	Ute Tribal 1-7	Utah	Duchesne	5S	3W	7	SE/SW
1510108	Ute Tribal 1-8	Utah	Duchesne	5S	3W	8	NW/NW
1510110	Ute Tribal 1-10	Utah	Duchesne	5S	3W	10	NW/NW
1510115	Ute Tribal 1-15	Utah	Duchesne	5S	3W	15	NW/NW
1510116	Ute Tribal 1-16	Utah	Duchesne	5S	3W	16	SE/SE
1510117	Ute Tribal 1-17	Utah	Duchesne	5S	3W	17	NE/NE
1510118	Ute Tribal 1-18	Utah	Duchesne	5S	3W	18	NE/NE
1510119	Ute Tribal 1-19	Utah	Duchesne	5S	3W	19	SE/SE
1510120	Ute Tribal 1-20	Utah	Duchesne	5S	3W	20	NW/NE
1510121	Ute Tribal 1-21	Utah	Duchesne	5S	3W	21	SW/SW
1510128	Ute Tribal 1-28	Utah	Duchesne	5S	3W	28	SW/NW
1510129	Ute Tribal 1-29	Utah	Duchesne	5S	3W	29	NE/SE
1510130	Ute Tribal 1-30	Utah	Duchesne	5S	3W	30	SW/NE
1510132	Ute Tribal 1-32	Utah	Duchesne	5S	3W	32	SE/NE
1510133	Ute Tribal 1-33	Utah	Duchesne	5S	3W	33	NW/NW
1510203	Ute Tribal 2-3	Utah	Duchesne	5S	3W	3	SE/SW
1510204	Ute Tribal 2-4	Utah	Duchesne	5S	3W	4	SW/NE
1510205	Ute Tribal 2-5	Utah	Duchesne	5S	3W	5	SW/SW
1510207	Ute Tribal 2-7	Utah	Duchesne	5S	3W	7	NE/NE
1510208	Ute Tribal 2-8	Utah	Duchesne	5S	3W	8	SW/NW
1510209	Ute Tribal 2-9	Utah	Duchesne	5S	3W	9	NE/NE
1510210	Ute Tribal 2-10	Utah	Duchesne	5S	3W	10	SW/NW
1510216	Ute Tribal 2-16	Utah	Duchesne	5S	3W	16	SW/SW
1510218	Ute Tribal 2-18	Utah	Duchesne	5S	3W	18	SE/NE
1510220	Ute Tribal 2-20	Utah	Duchesne	5S	3W	20	SW/NE
1510229	Ute Tribal 2-29	Utah	Duchesne	5S	3W	29	SE/SE
1510231	Ute Tribal 2-31	Utah	Duchesne	5S	3W	31	NE/NW
1510304	Ute Tribal 3-4	Utah	Duchesne	5S	3W	4	NE/SW

EVERTSON OIL COMPANY, INC.
SCHEDULE OF WELLS

Well Number	Well Name	State	County	Township	Range	Section	Quadrant
1510305	Ute Tribal 3-5-E3	Utah	Duchesne	5S	3W	5	NW/SE
1510307	Ute Tribal 3-7	Utah	Duchesne	5S	3W	7	SE/NE
1510308	Ute Tribal 3-8	Utah	Duchesne	5S	3W	8	NE/NW
1510320	Ute Tribal 3-20	Utah	Duchesne	5S	3W	20	SE/NW
1510329	Ute Tribal 3-29	Utah	Duchesne	5S	3W	29	SE/NW
1510404	Ute Tribal 4-4	Utah	Duchesne	5S	3W	4	SW/SW
1510405	Ute Tribal 4-5	Utah	Duchesne	5S	3W	5	SE/NE
1510408	Ute Tribal 4-8	Utah	Duchesne	5S	3W	8	NW/SW
1510409	Ute Tribal 4-9	Utah	Duchesne	5S	3W	9	SW/SE
1510418	Ute Tribal 4-18	Utah	Duchesne	4S	3W	18	NW/NE
1510429	Ute Tribal 4-29	Utah	Duchesne	5S	3W	29	NW/NW
1510508	Ute Tribal 5-8	Utah	Duchesne	5S	3W	8	SE/NW
1510518	Ute Tribal 5-18	Utah	Duchesne	5S	3W	18	NE/SE
1510529	Ute Tribal 5-29-E3	Utah	Duchesne	5S	3W	29	SW/NE
1510604	Ute Tribal 6-4	Utah	Duchesne	5S	3W	4	SE/SW
1510629	Ute Tribal 6-29	Utah	Duchesne	5S	3W	29	SE/NE
1510729	Ute Tribal 7-29	Utah	Duchesne	5S	3W	29	SE/NE
1520001	Ute Tribal 1	Utah	Duchesne	4S	4W	9	NW/SW
1520003	Ute Tribal 3	Utah	Duchesne	4S	4W	16	SW/NE
1520004	Ute Tribal 4	Utah	Duchesne	4S	4W	16	NE/SW
1520005	Ute Tribal 5	Utah	Duchesne	4S	4W	16	SW/NW
1520006	Ute Tribal 6	Utah	Duchesne	4S	4W	17	SW/NE
1520007	Ute Tribal 7	Utah	Duchesne	4S	4W	17	SW/NW
1520008	Ute Tribal 8	Utah	Duchesne	4S	4W	16	NW/NW
1520103	Ute Tribal 1-3D	Utah	Duchesne	4S	4W	3	SE/SE
1520107	Ute Tribal 1-7D	Utah	Duchesne	4S	4W	7	SE/SE
1520110	Ute Tribal 1-10D	Utah	Duchesne	4S	4W	10	SW/SE
1520115	Ute Tribal 1-15D	Utah	Duchesne	4S	4W	15	SW/NE
1520120	Ute Tribal 1-20D	Utah	Duchesne	4S	4W	20	SW/SW
1520121	Ute Tribal 1-21D	Utah	Duchesne	4S	4W	21	NE/NW
1520122	Ute Tribal 1-22D	Utah	Duchesne	4S	4W	22	NE/NW
1520124	Ute Tribal 1-24D	Utah	Duchesne	4S	5W	24	NW/NW
1520208	Ute Tribal 2-8D	Utah	Duchesne	4S	4W	8	NW/SE

EVERTSON OIL COMPANY, INC.
SCHEDULE OF WELLS

Well Number	Well Name	State	County	Township	Range	Section	Quadrant
1520210	Ute Tribal 2-10D	Utah	Duchesne	4S	4W	10	SW/4
1520215	Ute Tribal 2-15D	Utah	Duchesne	4S	4W	15	NW/NW
1520218	Ute Tribal 2-18D	Utah	Duchesne	5S	3W	18	SE/NE
1520310	Ute Tribal 3-10D	Utah	Duchesne	4S	4W	10	SE/SW
1520410	Ute Tribal 4-10D	Utah	Duchesne	4S	4W	10	NE/SE
1520417	Ute Tribal 4-17D	Utah	Duchesne	4S	4W	17	NW/SE
1520418	Ute Tribal 4-18D	Utah	Duchesne	4S	4W	18	NW/NW
1520610	Ute Tribal 6-10D	Utah	Duchesne	4S	4W	10	SE/NE
1520616	Ute Tribal 6-16D	Utah	Duchesne	4S	4W	16	NE/NW
1520716	Ute Tribal 7-16D	Utah	Duchesne	4S	4W	16	SE/NE
1520816	Ute Tribal 8-16D	Utah	Duchesne	4S	4W	16	NE/SE
1521009	Coyote Ute Tr. 10-9	Utah	Duchesne	4S	4W	9	NW/SE

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1- LCR/GIL	<input checked="" type="checkbox"/>
2- DTS/ST-LCR	<input checked="" type="checkbox"/>
3- VLC	<input checked="" type="checkbox"/>
4- RJF	<input checked="" type="checkbox"/>
5- RWM	<input checked="" type="checkbox"/>
6- ADA	<input checked="" type="checkbox"/>

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 9-01-92)

TO (new operator)	EVERTSON OIL COMPANY INC	FROM (former operator)	COORS ENERGY
(address)	PO BOX 397	(address)	PO BOX 467
	KIMBALL, NEBRASKA 69145		GOLDEN, COLORADO 80402-0467
	BRUCE F. EVERTSON, PRES.		DOUG SPRAGUE, MGR
	phone (<u>308</u>) <u>235-4871</u>		phone (<u>303</u>) <u>278-7030</u>
	account no. <u>N 6350 (11-24-92)</u>		account no. <u>N 5090</u>

Well(s) (attach additional page if needed):

Name: *SEE ATTACHMENT	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 9-4-92) (Reg. UIC Form 5)*
2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Reg. 9-14-92) (Rec'd 9-25-92)*
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes) no ____ If yes, show company file number: # 163850. *Eff. 8-24-92*
4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(11-25-92)*
6. Cardex file has been updated for each well listed above. *(12-3-92)*
7. Well file labels have been updated for each well listed above. *(11-25-92)*
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

1 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).

N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

N/A 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.

N/A 2. A copy of this form has been placed in the new and former operators' bond files.

N/A 3. The former operator has requested a release of liability from their bond (yes/no) _____. Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.

N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

✓ 1. All attachments to this form have been microfilmed. Date: _____ 19____.

FILING

✓ 1. Copies of all attachments to this form have been filed in each well file.

✓ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

9/21/25 Btm/Vernal "Operator still Coors Energy - Waiting on BIA approval."

9/21/25 Operator changed per admin.

PETROGLYPH GAS PARTNERS, L.P.

335 NORTH WASHINGTON • SUITE 140
P.O. BOX 1807 • HUTCHINSON, KS 67504-1807
(316) 665-8500 • FAX (316) 665-5961

VIA FACSIMILE (801) 359-3940

February 16, 1994

Lisha Cordova
State of Utah
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203

FEB 18 1994

Ms. Cordova:

This letter is to advise you that effective February 1, 1994 Evertson Oil Company, Inc. intends to sell and Petroglyph Gas Partners, L.P. intends to purchase oil and gas properties located in Duchesne County, Utah as identified below:

<u>Well Name</u>	<u>API No.</u>
State 2-6	43-013-30891
Ute Tribal 1	43-013-20045
Ute Tribal 1-10	43-013-30805
Ute Tribal 1-10D	43-013-31211
Ute Tribal 1-15	43-013-30880
Ute Tribal 1-15D	43-013-30712
Ute Tribal 1-16	43-013-30804
Ute Tribal 1-17	43-013-30790
Ute Tribal 1-18	43-013-30761
Ute Tribal 1-19	43-013-30803
Ute Tribal 1-20	43-013-30764
Ute Tribal 1-20D	43-013-31239
Ute Tribal 1-21	43-013-30883
Ute Tribal 1-24D	43-013-31234
Ute Tribal 1-28	43-013-30802
Ute Tribal 1-29	43-013-30763
Ute Tribal 1-3	43-013-30823
Ute Tribal 1-30	43-013-30852
Ute Tribal 1-32	43-013-30853
Ute Tribal 1-33	43-013-30806
Ute Tribal 1-3D	43-013-31242
Ute Tribal 1-4	43-013-30762
Ute Tribal 1-5	43-013-30785
Ute Tribal 1-6	43-013-30793
Ute Tribal 1-7	43-013-30788
Ute Tribal 1-7D	43-013-31198

Ute Tribal 1-8	43-013-30759
Ute Tribal 2-10	43-013-31187
Ute Tribal 2-10D	43-013-31219
Ute Tribal 2-15D	43-013-31200
Ute Tribal 2-16	43-013-31166
Ute Tribal 2-18	43-013-31166 <i>43-013-30881</i>
Ute Tribal 2-18D	43-013-30881 <i>43-013-31212/Drl.</i>
Ute Tribal 2-20	43-013-30882
Ute Tribal 2-29	43-013-30849
Ute Tribal 2-3	43-013-31097
Ute Tribal 2-31	43-013-30827 <i>31188</i>
Ute Tribal 2-4	43-013-30879 <i>(w/w)</i>
Ute Tribal 2-5	43-013-30824
Ute Tribal 2-7	43-013-30825
Ute Tribal 2-8	43-013-30826
Ute Tribal 2-8D	43-013-31199
Ute Tribal 2-9	43-013-30789
Ute Tribal 3	43-013-15319
Ute Tribal 3-10D	43-013-31217 <i>(w/w) Has not comm.</i>
Ute Tribal 3-20	43-013-31175
Ute Tribal 3-29	43-013-30850
Ute Tribal 3-4	43-013-30878
Ute Tribal 3-5-E3	43-013-30938
Ute Tribal 3-7	43-013-30828
Ute Tribal 3-8	43-013-31101
Ute Tribal 4	43-013-15321 <i>(w/w)</i>
Ute Tribal 4-10D	43-013-31226
Ute Tribal 4-17D	43-013-31201
Ute Tribal 4-18	43-013-31099
Ute Tribal 4-18D	43-013-30838
Ute Tribal 4-29	43-013-30851
Ute Tribal 4-4	43-013-30848
Ute Tribal 4-5	43-013-31306
Ute Tribal 4-8	43-013-31164
Ute Tribal 4-9	43-013-31165
Ute Tribal 5	43-013-15322
Ute Tribal 5-18	43-013-31180
Ute Tribal 5-29-E3	43-013-30939
Ute Tribal 5-8	43-013-31307
Ute Tribal 6	43-013-15323
Ute Tribal 6-10D	43-013-31236
Ute Tribal 6-16D	43-013-31204
Ute Tribal 6-29	43-013-31305
Ute Tribal 6-4	43-013-31100
Ute Tribal 7	43-013-15324
Ute Tribal 7-16D	43-013-31221

Page 3
Change of Operator Notice
Duchesne County, Utah
February 16, 1994

Ute Tribal 7-29	43-013-31339 (DEL)
Ute Tribal 8	43-013-30028
Ute Tribal 8-16D	43-013-31220
Ute Tribal 1-21D	43-013-31347
Ute Tribal 1-22D	43-013-31349

Petroglyph Operating Company, Inc., a wholly owned subsidiary of Petroglyph Gas Partners, L.P., will be the operator of these properties. At this time, we request a state assigned operator number.

We are also notifying the BLM, BIA and the Ute Tribe regarding this change of operator. Please forward this letter to anyone in the State office who may need to have this information. If you have any questions or need further assistance, please feel free to contact me at (316) 665-8500.

Sincerely,



Angela R. Bare
Operations Administrator

ARB/ms

LAW OFFICES OF

morris, laing, evans, brock & kennedy, chartered

FOURTH FLOOR, 200 WEST DOUGLAS, WICHITA, KANSAS 67202-3084
TELEPHONE (316) 262-2671 FAX: (316) 262-6226/262-5991

RALPH R. BROCK
JOSEPH W. KENNEDY
ROBERT I. GUENTHNER
DAVID C. ADAMS
KEN M. PETERSON
RICHARD D. GREENE
A. J. SCHWARTZ, JR.
DONALD E. SCHRAG
WILLIAM B. SORENSEN, JR.
DENNIS M. FEENEY

JEFFERY L. CARMICHAEL
ROBERT W. COYKENDALL
ROBERT K. ANDERSON
SUSAN R. SCHRAG
ROBERT E. NUGENT
MICHAEL LENNEN
KARL R. SWARTZ
ROGER L. THEIS
JANA DEINES ABBOTT
RICHARD F. HAYSE*

THOMAS R. DOCKING
GERALD N. CAPPS
DIANE S. WORTH
TIM J. MOORE
GARY E. PATTERSON
BRUCE A. NEY
JANET H. WARD

*RESIDENT IN
TOPEKA OFFICE

ROBERT B. MORTON
EVA POWERS*
OF COUNSEL

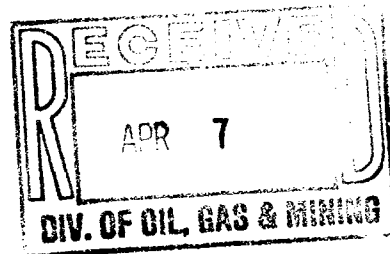
VERNE M. LAING
RETIRED

LESTER L. MORRIS
1901-1966

FERD E. EVANS, JR.
1919-1991

April 5, 1994

Ms. Lisha Cordoba
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203



Re: Petroglyph Gas Partners, L. P.

Dear Ms Cordoba:

I have spoken with you on occasion in the past concerning Petroglyph Gas Partners, L. P.'s acquisition of a 50% interest in a number of oil and gas leases in Utah. Most of these leases are on the Uintah and Ouray, Ute Reservation near Duchesne. I am enclosing the following documents in regard to this acquisition:

1. Copy of Collective Bond No. B04528 in the principal amount of \$75,000 by Petroglyph Gas Partners, L. P. and Inland Resources Inc. as principal and Planet Indemnity Company as surety in favor of the Bureau of Indian Affairs;
2. Copy of Collective Bond No. B04556 in the principal amount of \$75,000 by Petroglyph Operating Company, Inc. as principal and Planet Indemnity Company as surety in favor of the Bureau of Indian Affairs;
3. Copy of Surety Performance Bond in the principal amount of \$45,000 by Petroglyph Operating Company, Inc. as Principal and Planet Indemnity Company as surety in favor of the U.S. Environmental Protection Agency;

TOPEKA OFFICE

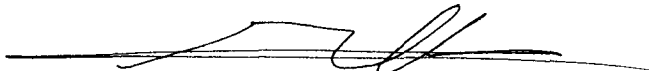
800 S.W. JACKSON SUITE 914 TOPEKA, KS 66612-2214 TEL. (913) 232-2662 FAX (913) 232-9983

Page 2
April 5, 1994

4. Twenty-eight (28) Form 5 Designation of Agent or Operator executed by Inland Resources Inc. designating Petroglyph Operating Company as Operator of the wells described therein, in triplicate;
5. Twenty-eight (28) Form 5 Designation of Agent or Operator executed by Petroglyph Gas Partners, L.P. designating Petroglyph Operating Company as Operator of the wells described therein, in triplicate;
6. Seventy-five (75) Form 9 Sundry Notice executed by Evertson Oil Company showing the change in Operations from Evertson Oil Company to Petroglyph Operating Company;
7. Seventy-five (75) Form 9 Sundry Notice executed by Petroglyph Gas Partners, L. P. showing the change in Operations from Evertson Oil Company to Petroglyph Operating Company;
8. UIC Form 5 Transfer of Authority to Inject for the Ute Tribal 2-4 SWDW, in triplicate;
9. UIC Form 5 Transfer of Authority to Inject for the Ute Tribal 4 SWDW, in triplicate; and
10. UIC Form 5 Transfer of Authority to Inject for the Ute Tribal 3-10D SWDW, in triplicate.

I thank you for your continued assistance with this matter. Please do not hesitate to give me a call if I have overlooked or omitted anything.

Sincerely,

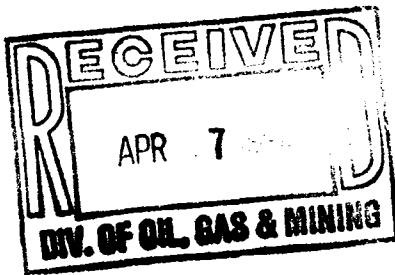


Roger L. Theis
For the Firm

RLT:mk

Enclosures

cc: Robert A. Christensen



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS

BOND NO. B04528

COLLECTIVE BOND

KNOW ALL MEN BY THESE PRESENTS, That we, PETROGLYPH GAS PARTNERS, L. P. AND INLAND RESOURCES INC.,
OF: 335 North Washington, #170, Hutchinson, KS 67501, as principals
and PLANET INDEMNITY COMPANY
of 410 17th St., #1675, Denver, CO 80202, as surety, are held and firmly bound unto
the United States of America in the sum of seventy-five thousand dollars (\$75,000),
lawful money of the United States, for the payment of which, well and truly to be made,
we bind ourselves and each of us, our and each of our heirs, successors, executors,
administrators, and assigns, jointly and severally, firmly by these presents.

Sealed with our seals and dated this 16th day of March, 19 94.

The condition of this obligation is such that whereas the said principals, as lessee
have heretofore or may hereafter enter into or otherwise acquire an interest in oil and
gas mining leases on the Uintah and Ouray Reservation in the State of Utah, of various
dates and periods of duration, covering lands or interests in lands held by the United
States in trust for individual Indians, or bands or tribes of Indians, or subject to
restrictions against alienation without the consent of the Secretary of the Interior, or
his authorized representative, which leases and permits have been or may hereafter be
granted or approved by the Secretary of the Interior, or his authorized representative,
and the identification of which herein is expressly waived by both principals and
surety hereto.

WHEREAS the principals and surety agree that the coverage of this bond shall extend
to and include all extensions and renewals of the leases and permits covered by this
bond, such coverage to continue without any interruption due to the expiration of the
term set forth therein.

WHEREAS the surety hereby waives any right to notice of any modification of any
such lease or permit, or obligation thereunder whether effected by extension of time
for performance, by commitment of such lease to unit, cooperative, or communitization
agreement, by waiver, suspension, or change in rental, except an increase thereof, by
minimum royalty payment, except an increase thereof, by compensatory royalty payment,
or otherwise, this bond to remain in full force and effect notwithstanding.

WHEREAS the principals and surety agree that the neglect or forbearance of any
obligee under this bond in enforcing the payment of any rental or royalty or the
performance of any other covenant, condition, or agreement of any such lease or permit
shall not in any way release the principals and surety, or either of them, from
any liability under this bond; and

WHEREAS the principals and surety agree that in the event of any default under
any such lease or permit, the obligee may prosecute any claim, suit, action, or other
proceeding against the principals and surety, or either of them, without the
necessity of joining the other.

Now, if the said principal, herein shall faithfully carry out and observe all the obligations assumed in such leases and permits to which Petroglyph Gas Partners, L. P. and Inland Resources Inc. is now or may hereafter become a party, and shall observe all the laws of the United States and regulations made, or which shall be made thereunder, for the government of trade and intercourse with Indian tribes, and all rules and regulations that have been or shall hereafter be lawfully prescribed by the Secretary of the Interior relative to such mining leases and permits, and shall in all particulars comply with the provisions of such leases, permits, rules, and regulations, then this obligation shall be null and void; otherwise, to remain in full force and effect.

The rate of premium charged on this bond is \$ _____; the total premium paid is _____

Signed and sealed in the presence of

WITNESSES:*

By: Dennita L. Thode)

P. O. _____)

By: [Signature])

P. O. _____)

By: Nancy G. [Signature])

8 Greenway Plaza, Suite 400)
P. O. Houston, TX 77046)

By: Sue [Signature])

8 Greenway Plaza, Suite 400)
P. O. Houston, TX 77046)

By: [Signature])

475 17th Street, Suite 1500)
P. O. Denver, CO 80202)

By: Janet K. Spicht)

475 17th Street, Suite 1500)
P. O. Denver, CO 80202)

* Two witnesses to all signatures

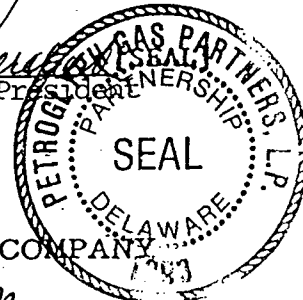
APPROVED:

PETROGLYPH GAS PARTNERS, L. P.

BY: PETROGLYPH ENERGY, INC.,
General Partner

as to

Robert C. Murdock, President



PLANET INDEMNITY COMPANY

as to

Mildred L. Massey [SEAL]

Mildred L. Massey, Attorney-in-Fact
410 17th Street, Suite 1675
Denver, CO 80202

INLAND RESOURCES, INC.

as to

Kyle B. Miller [SEAL]
KYLE B. MILLER, President

DEPARTMENT OF THE INTERIOR
Bureau of Indian Affairs

, 19

Superintendent

GENERAL POWER OF ATTORNEY

CERTIFIED COPY

KNOW ALL MEN BY THESE PRESENTS: That **PLANET INDEMNITY COMPANY**, a corporation organized and existing under the laws of the State of Colorado, and having its principal office in the City of Denver, Colorado does hereby constitute and appoint:

MILDRED L. MASSEY

its true and lawful attorney-in-fact to execute, seal and deliver for and on its behalf as surety, any and all bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, which are or may be allowed, required or permitted by law, statute, rule, regulation, contract or otherwise, in an amount not to exceed:

*****SEVENTY-FIVE THOUSAND AND NO/100 DOLLARS*****

and the execution of all such instrument(s) in pursuance of these presents, shall be binding upon said **PLANET INDEMNITY COMPANY** as fully and amply, to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at its principal office.

This Power of Attorney is executed, and may be certified to and may be revoked, pursuant to and by authority of Article V, Section 6(C) of the By-Laws adopted by the Board of Directors of **PLANET INDEMNITY COMPANY**, at a meeting called and held on this third day of March, 1987, of which the following is a true transcript of said Section 6(C):

- "The President or any Vice President, Assistant Vice President, Secretary or Resident Secretary shall have power and authority
- (1) To appoint Attorneys-in-fact, and to authorize them to execute on behalf of the Company, and attach the Seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, and
 - (2) to appoint special Attorneys-in-fact, who are hereby authorized to certify to copies of any power-of-attorney issued in pursuance of this section and/or any of the By-laws of the Company, and
 - (3) to remove, at any time, any such Attorney-in-fact or Special Attorney-in-fact and revoke the authority given to him."

Further, this Power of Attorney is signed and sealed by facsimile pursuant to resolution of the Board of Directors of said Company adopted at a meeting duly called and held on the third day of March, 1987, of which the following is a true excerpt:

"Now therefore the signatures of such officers and the seal of the Company may be affixed to any such power of attorney or any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached."

IN TESTIMONY WHEREOF, **PLANET INDEMNITY COMPANY** has caused this instrument to be signed and its corporate seal to be affixed by its authorized officer, E. H. Frank, III, on this the twenty eighth day of August, 1991.



E. H. Frank, III

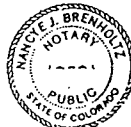
President

E.H. Frank, III

STATE OF COLORADO
COUNTY OF DENVER

On this 28th Day of August, 1991, before me came the individual who executed the preceding instrument, to me personally known, and, being duly sworn, said that he is the therein described and authorized officer of **PLANET INDEMNITY COMPANY**; that the seal affixed to said instrument is the Corporate Seal of said Company; that the said Corporate Seal and his signature were duly affixed by order of the Board of Directors of said Company.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal, at the city of Denver, Colorado, the day and year first above written.



Margie J. Brenholz

Notary Public, Denver County, Colorado

CERTIFICATION

I, the undersigned officer of **PLANET INDEMNITY COMPANY**, do hereby certify that I have compared the foregoing copy of the Power of Attorney and affidavit, and the copy of the Section of the By-Laws of said Company as set forth in said Power of Attorney, and that the same are correct transcripts thereof, and of the whole of the said originals, and that the said Power of Attorney has not been revoked and is now in full force and effect.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 16th day of March, 19 94



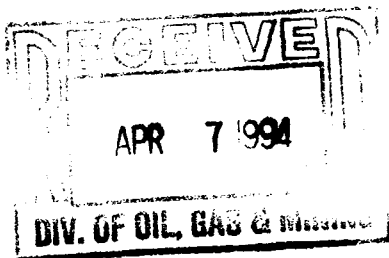
Greg E. Chilson

Assistant Secretary

Greg E. Chilson

Only a certified copy of Power of Attorney bearing the Certificate of Authority No. printed in red on the upper right corner is binding. Photocopies, carbon copies or other reproductions of this document are invalid and not binding upon the Company.

ANY INSTRUMENT ISSUED IN EXCESS OF THE PENALTY AMOUNT STATED ABOVE IS TOTALLY VOID AND WITHOUT VALIDITY.



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS

BOND NO. B04556

COLLECTIVE BOND

KNOW ALL MEN BY THESE PRESENTS, That we, PETROGLYPH OPERATING COMPANY, INC.
OF: 335 North Washington, Suite 170, Hutchinson, KS 67501, as principal
and PLANET INDEMNITY COMPANY
of 410 17th Stree, #1675, Denver, CO 80202, as surety, are held and firmly bound unto
the United States of America in the sum of seventy-five thousand dollars (\$75,000),
lawful money of the United States, for the payment of which, well and truly to be made,
we bind ourselves and each of us, our and each of our heirs, successors, executors,
administrators, and assigns, jointly and severally, firmly by these presents.

Sealed with our seals and dated this 16th day of March, 19 94.

The condition of this obligation is such that whereas the said principal, as lessee
has heretofore or may hereafter enter into or otherwise acquire an interest in oil and
gas mining leases on the Uintah and Ouray Reservation in the State of Utah, of various
dates and periods of duration, covering lands or interests in lands held by the United
States in trust for individual Indians, or bands or tribes of Indians, or subject to
restrictions against alienation without the consent of the Secretary of the Interior, or
his authorized representative, which leases and permits have been or may hereafter be
granted or approved by the Secretary of the Interior, or his authorized representative,
and the identification of which herein is expressly waived by both principal and
surety hereto.

WHEREAS the principal and surety agree that the coverage of this bond shall extend
to and include all extensions and renewals of the leases and permits covered by this
bond, such coverage to continue without any interruption due to the expiration of the
term set forth therein.

WHEREAS the surety hereby waives any right to notice of any modification of any
such lease or permit, or obligation thereunder whether effected by extension of time
for performance, by commitment of such lease to unit, cooperative, or communitization
agreement, by waiver, suspension, or change in rental, except an increase thereof, by
minimum royalty payment, except an increase thereof, by compensatory royalty payment,
or otherwise, this bond to remain in full force and effect notwithstanding.

WHEREAS the principal and surety agree that the neglect or forbearance of any
obligee under this bond in enforcing the payment of any rental or royalty or the
performance of any other covenant, condition, or agreement of any such lease or permit
shall not in any way release the principal and surety, or either of them, from
any liability under this bond; and

WHEREAS the principal and surety agree that in the event of any default under
any such lease or permit, the obligee may prosecute any claim, suit, action, or other
proceeding against the principal and surety, or either of them, without the
necessity of joining the other.

Now, if the said principal, herein shall faithfully carry out and observe all the obligations assumed in such leases and permits to which Petroglyph Operating Company, Inc. is now or may hereafter become a party, and shall observe all the laws of the United States and regulations made, or which shall be made thereunder, for the government of trade and intercourse with Indian tribes, and all rules and regulations that have been or shall hereafter be lawfully prescribed by the Secretary of the Interior relative to such mining leases and permits, and shall in all particulars comply with the provisions of such leases, permits, rules, and regulations, then this obligation shall be null and void; otherwise, to remain in full force and effect.

The rate of premium charged on this bond is \$ _____; the total premium paid is _____

Signed and sealed in the presence of

WITNESSES:*

By: *Dorothy G. Thode*)

P. O. _____)

By: *A. K. Scott*)

P. O. _____)

By: *Nancy Cruz*)

P. O. 8 Greenway Plaza, Suite 400)
Houston, Texas 77046)

By: *Sue Davis*)

P. O. 8 Greenway Plaza, Suite 400)
Houston, Texas 77046)

By: *Mildred L. Massey*)

P. O. 475 17th Street, Suite 1500)
Denver, CO 80202)

By: *James K. Speck*)

P. O. 475 17th Street, Suite 1500)
Denver, CO 80202)

* Two witnesses to all signatures

as to *R. A. Christensen*)
PETROGLYPH OPERATING COMPANY, INC.)
R. A. CHRISTENSEN, President)

PLANET INDEMNITY COMPANY)

as to *Mildred L. Massey*) [SEAL]
Mildred L. Massey, Attorney-in-Fact)
410 17th Street, Suite 1675)
Denver, CO 80202)

as to *Eugene M. ...*) [SEAL]

APPROVED:

DEPARTMENT OF THE INTERIOR
Bureau of Indian Affairs

19

Superintendent

GENERAL POWER OF ATTORNEY

CERTIFIED COPY

KNOW ALL MEN BY THESE PRESENTS: That **PLANET INDEMNITY COMPANY**, a corporation organized and existing under the laws of the State of Colorado, and having its principal office in the City of Denver, Colorado does hereby constitute and appoint:

ROY C. DIE

its true and lawful attorney-in-fact to execute, seal and deliver for and on its behalf as surety, any and all bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, which are or may be allowed, required or permitted by law, statute, rule, regulation, contract or otherwise, in an amount not to exceed:

*******FIFTY THOUSAND AND NO/100 DOLLARS*******
and the execution of all such instrument(s) in pursuance of these presents, shall be binding upon said **PLANET INDEMNITY COMPANY** as fully and amply, to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at its principal office.

This Power of Attorney is executed, and may be cerified to and may be revoked, pursuant to and by authority of Article V, Section 6(C) of the By-Laws adopted by the Board of Directors of **PLANET INDEMNITY COMPANY**, at a meeting called and held on this third day of March, 1987, of which the following is a true transcript of said Section 6(C):

- "The President or any Vice President, Assistant Vice President, Secretary or Resident Secretary shall have power and authority
- (1) To appoint Attorneys-in-fact, and to authorize them to execute on behalf of the Company, and attach the Seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, and
 - (2) to appoint special Attorneys-in-fact, who are hereby authorized to certify to copies of any power-of-attorney issued in pursuance of this section and/or any of the By-laws of the Company, and
 - (3) to remove, at any time, any such Attorney-in-fact or Special Attorney-in-fact and revoke the authority given to him."

Further, this Power of Attorney is signed and sealed by facsimile pursuant to resolution of the Board of Directors of said Company adopted at a meeting duly called and held on the third day of March, 1987, of which the following is a true excerpt:

"Now therefore the signatures of such officers and the seal of the Company may be affixed to any such power of attorney or any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached."

IN TESTIMONY WHEREOF, **PLANET INDEMNITY COMPANY** has caused this instrument to be signed and its corporate seal to be affixed by its authorized officer, E. H. Frank, III, on this the twenty eighth day of August, 1991.



E.H. Frank III

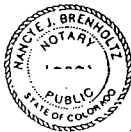
President

E.H. Frank, III

STATE OF COLORADO
COUNTY OF DENVER

On this 28th Day of August, 1991, before me came the individual who executed the preceding instrument, to me personally known, and, being duly sworn, said that he is the therein described and authorized officer of **PLANET INDEMNITY COMPANY**; that the seal affixed to said instrument is the Corporate Seal of said Company; that the said Corporate Seal and his signature were duly affixed by order of the Board of Directors of said Company.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal, at the city of Denver, Colorado, the day and year first above written.



Nancy J. Brenholz

Notary Public, Denver County, Colorado

CERTIFICATION

I, the undersigned officer of **PLANET INDEMNITY COMPANY**, do hereby certify that I have compared the foregoing copy of the Power of Attorney and affidavit, and the copy of the Section of the By-Laws of said Company as set forth in said Power of Attorney, and that the same are correct transcripts thereof, and of the whole of the said originals, and that the said Power of Attorney has not been revoked and is now in full force and effect.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 23rd day of February, 19 94



Greg E. Chilson

Assistant Secretary

Greg E. Chilson

Only a certified copy of Power of Attorney bearing the Certificate of Authority No. printed in red on the upper right corner is binding. Photocopies, carbon copies or other reproductions of this document are invalid and not binding upon the Company.

ANY INSTRUMENT ISSUED IN EXCESS OF THE PENALTY AMOUNT STATED ABOVE IS TOTALLY VOID AND WITHOUT VALIDITY.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator: PETROGLYPH OPERATING COMPANY, INC.

3. Address and Telephone Number: P. O. BOX 1807, Hutchinson, KS 67504-1807 316-665-8500

4. Location of Well

Footage: 667' FEL & 2151' FSL
CO. Sec., T., R., M.: NESE 18-T5S-R3W, U.S.M.

5. Lease Designation and Serial Number:
14-20-H62-3513

6. If Indian, Altiabee or Tribe Name:
UTE TRIBAL

7. Unit Agreement Name:
N/A

8. Well Name and Number:
Ute Tribal 5-18

9. API Well Number:
43-013-31180

10. Field and Pool, or Wildcat:
Antelope Creek Field
Green River Pool

County: DUCHESNE
State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>CHANGE OF OPERATOR</u> | |

Approximate date of change 3-1-94

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

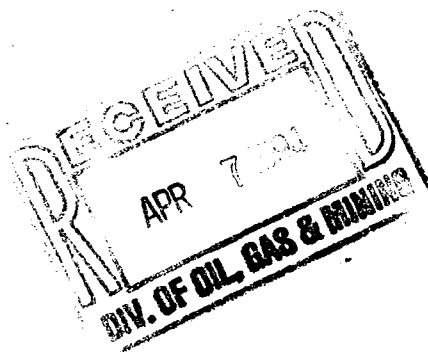
Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

change of operator from Evertson Oil Company, Inc. to Petroglyph Operating Company, Inc. effective 3-1-94



13.

PETROGLYPH OPERATING COMPANY, INC.

Name & Signature:

R. A. CHRISTENSEN

Title: President

Date:

2-25-94

(This space for State use only)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER:		5. Lease Designation and Serial Number: 14-20-H62-3513
2. Name of Operator: EVERTSON OIL COMPANY, INC.		6. If Indian, Altiaba or Tribe Name: UTE TRIBAL
3. Address and Telephone Number: P.O.Box 397, Kimball, NE 69145 308-235-4871		7. Unit Agreement Name: N/A
4. Location of Well: Footage: 667'FEL & 2151'FSL County: DUCHESNE OQ, Sec., T., R., M.: NESE 18-T5S-R3W, U.S.M. State: UTAH		8. Well Name and Number: Ute Tribal 5-18 9. API Well Number: 43-013-31180
		10. Field and Pool, or Wildcat: Antelope Creek Field Green River Pool

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>CHANGE OF OPERATOR</u> | |

Approximate date of change 3-1-94

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

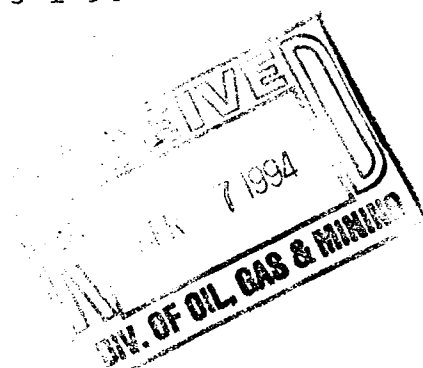
Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

change of operator from Evertson Oil Company, Inc. to Petroglyph Operating Company, Inc. effective 3-1-94



13. Name & Signature: EVERTSON OIL COMPANY, INC. Title: V. President Date: 2-25-94
Bruce P. Evertson
(This space for State use only)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

DESIGNATION OF AGENT OR OPERATOR

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: UTE TRIBAL

LEASE NUMBER: 14-20-H62-3513

and hereby designates

NAME: PETROGLYPH OPERATING COMPANY, INC.

ADDRESS: P.O.Box 1807, Hutchinson, KS 67504-1807

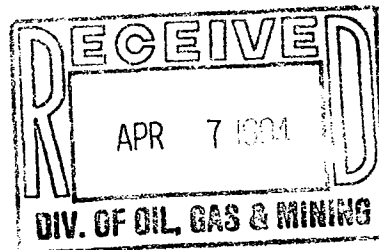
as his agent ☐/operator ☒, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to:

Describe acreage to which this designation is applicable, and identify each applicable oil and gas well by name and API number. Attach additional pages as needed.

T5S-R3W, U.S.M. ALL SECTION 18

UTE 1-18, 43-013,30761; UTE 2-18, 43-013-30881; UTE 4-18, 43-013-31099; UTE 5-18, 43-013-31180

Duchesne County, Utah



It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees to promptly notify the Division Director or Authorized Agent of any change in this designation.

Effective Date of Designation: 3-1-94

BY: (Name) ROBERT C. MURDOCK

(Signature)

(Title)

PRESIDENT OF PETROGLYPH ENERGY, INC.

(Phone)

316-665-8500

PETROGLYPH GAS PARTNERS, L.P.

OF: (Company) BY PETROGLYPH ENERGY, INC.,

GENERAL PARTNER

(Address)

P. O. BOX 1807

Hutchinson, KS 67504-1807

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

DESIGNATION OF AGENT OR OPERATOR

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: UTE TRIBAL

LEASE NUMBER: 14-20-H62-3513

and hereby designates

NAME: PETROGLYPH OPERATING COMPANY, INC.

ADDRESS: P. O. BOX 1807, Hutchinson, KS 67504-1807

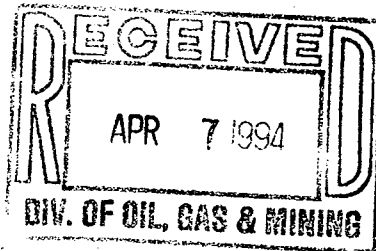
as his agent ☐ operator ☒ with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to:

(Describe acreage to which this designation is applicable, and identify each applicable oil and gas well by name and API number. Attach additional pages as needed.)

T5S-R3W, U.S.M. ALL SECTION 18

UTE 1-18, 43-013,30761; UTE 2-18, 43-013-30881; UTE 4-18, 43-013-31099; UTE 5-18, 43-013-31180

Duchesne County, Utah



It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees to promptly notify the Division Director or Authorized Agent of any change in this designation.

Effective Date of Designation: 3-1-94

BY: (Name) KYLE R. MILLER

(Signature)

(Title)

(Phone)

President

303-292-0900

OF: (Company) INLAND RESOURCES INC.

(Address)

475 Seventeenth St., Suite 1500

Denver, CO 80202

LAW OFFICES OF

morris, laing, evans, brock & kennedy, chartered

FOURTH FLOOR, 200 WEST DOUGLAS, WICHITA, KANSAS 67202-3084
TELEPHONE (316) 262-2671 FAX: (316) 262-6226/262-5991

RALPH R. BROCK
JOSEPH W. KENNEDY
ROBERT I. GUENTHNER
DAVID C. ADAMS
KEN M. PETERSON
RICHARD D. GREENE
A. J. SCHWARTZ, JR.
DONALD E. SCHRAG
WILLIAM B. SORENSEN, JR.
DENNIS M. FEENEY

JEFFERY L. CARMICHAEL
ROBERT W. COYKENDALL
ROBERT K. ANDERSON
SUSAN R. SCHRAG
ROBERT E. NUGENT
MICHAEL LENNEN
KARL R. SWARTZ
ROGER L. THEIS
JANA DEINES ABBOTT
RICHARD F. HAYSE*

THOMAS R. DOCKING
GERALD N. CAPPS
DIANE S. WORTH
TIM J. MOORE
GARY E. PATTERSON
BRUCE A. NEY
JANET H. WARD

*RESIDENT IN
TOPEKA OFFICE

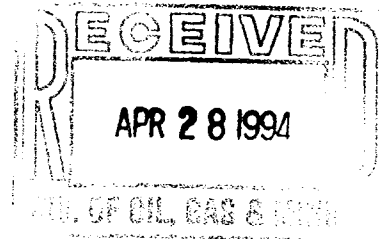
ROBERT B. MORTON
EVA POWERS*
OF COUNSEL

VERNE M. LAING
RETIRED

LESTER L. MORRIS
1901-1966
FERD E. EVANS, JR.
1919-1991

April 25, 1994

Ms. Lisha Cordoba
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203



Re: Petroglyph Gas Partners, L. P.

Dear Ms Cordoba:

Enclosed in triplicate per our recent conversations are Sundry Notices pertaining to the Ute Tribal 1-29, 2-5, 5-29E3, and #8 wells which were inadvertently initially overlooked in this transaction as follows:

1. Form 9 Sundry Notice executed by Evertson Oil Company showing the change in Operations from Evertson Oil Company to Petroglyph Operating Company;
2. Form 9 Sundry Notice executed by Petroglyph Gas Partners, L. P. showing the change in Operations from Evertson Oil Company to Petroglyph Operating Company;

I thank you for your continued assistance with this matter. Please do not hesitate to give me a call if you need anything further.

Sincerely,

A handwritten signature in dark ink, appearing to read "Roger L. Theis". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Roger L. Theis
For the Firm

RLT:mk

Enclosures

cc: Robert A. Christensen

TOPEKA OFFICE

800 S.W. JACKSON SUITE 914 TOPEKA, KS 66612-2214 TEL. (913) 232-2662 FAX (913) 232-9983



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal District Office
170 South 500 East
Vernal, Utah 84078-2799

IN REPLY REFER TO:
3162.3
(UT08438)

JUN 30 1994

Petroglyph Operating Company, Inc.
P.O. Box 1839
Hutchinson, KS 67504-1839

Re: See attached list for the
well numbers and lease
numbers
Duchesne County, Utah

Gentlemen:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced wells. After a review by this office, the change in operator request is approved. Effective immediately, Petroglyph Operating Company, Inc., is responsible for all operations performed on the referenced wells. All liability will now fall under your bond, a \$75,000 BIA Collective Bond, for all operations conducted on the referenced wells on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Pat Sutton of this office at (801) 789-1362.

Sincerely,

Howard B. Cleavinger II
Assistant District Manager for Minerals

cc: Evertson Oil Company
BIA

etroglyph - Assignments, and Change of Operator

Township 5 South, Range 3 West, USM

<u>Lease No.</u>	<u>Section No.</u>	<u>Well Name</u>	<u>Location</u>
4-20-H62-3502	3	✓Ute Tribal 1-3 ✓Ute Tribal 2-3	SWSW SESW
4-20-H62-3503	4	✓Ute Tribal 1-4 ✓Ute Tribal 2-4 SWD ✓Ute Tribal 3-4 ✓Ute Tribal 4-4 ✓Ute Tribal 6-4	NENE SWNE NESW SWSW SESW
4-20-H62-3504	5	✓Ute Tribal 1-5 ✓Ute Tribal 2-5 ✓Ute Tribal 3-5 E3 ✓Ute Tribal 4-5	SWNE SWSW NWSE SENE
4-20-H62-3505	6	✓Ute Tribal 1-6* ✓Ute Tribal 3-6	SESE SENE
4-20-H62-3506	7	✓Ute Tribal 1-7* ✓Ute Tribal 2-7 ✓Ute Tribal 3-7	SESW NENE SENE
14-20-H62-3507	8	✓Ute Tribal 1-8 ✓Ute Tribal 2-8 ✓Ute Tribal 3-8 ✓Ute Tribal 4-8 ✓Ute Tribal 5-8	NWNW SWNW NENW NWSW SENW
14-20-H62-3508	9	✓Ute Tribal 2-9 ✓Ute Tribal 4-9	NENE SWSE
14-20-H62-3509	10	✓Ute Tribal 1-10 ✓Ute Tribal 2-10	NWNW NENW

Township 5 South, Range 3 West, USM

<u>Lease No.</u>	<u>Section No.</u>	<u>Well Name</u>	<u>Location</u>
14-20-H62-3510	15	✓Ute Tribal 1-15	NWNW
14-20-H62-3511	16	✓Ute Tribal 1-16* ✓Ute Tribal 2-16	SESE SWSW
14-20-H62-4633	17	✓Ute Tribal 1-17*	NENE
14-20-H62-3513	18	✓Ute Tribal 1-18 ✓Ute Tribal 2-18 ✓Ute Tribal 4-18 ✓Ute Tribal 5-18	NENE SENE NWNE NESE
14-20-H62-3514	19	✓Ute Tribal 1-19	SESE
14-20-H62-3515	20	✓Ute Tribal 1-20 ✓Ute Tribal 2-20 ✓Ute Tribal 3-20*	NWNE SWNE SENE
14-20-H62-3516	21	✓Ute Tribal 1-21	SWSW
14-20-H62-3517	28	✓Ute Tribal 1-28	SWNW
14-20-H62-3518	29	✓Ute Tribal 1-29 ✓Ute Tribal 2-29 ✓Ute Tribal 3-29 ✓Ute Tribal 4-29 ✓Ute Tribal 5-29E3 ✓Ute Tribal 7-29 6-29 ✓Ute Tribal 7-29	NESE SESE SENE NWNW SWNE SENE NESE
14-20-H62-3519	30	✓Ute Tribal 1-30	SWNE
14-20-H62-3520	31	✓Ute Tribal 1-31* ✓Ute Tribal 2-31	NWNE NENW
14-20-H62-3521	32	✓Ute Tribal 1-32	SENE
14-20-H62-3522	33	✓Ute Tribal 1-33	NENW

(*) = Lease No. incorrect on Sundry Notice submitted

Township 4 South, Range 4 West, USM

<u>Lease No.</u>	<u>Section No.</u>	<u>Well Name</u>	<u>Location</u>
14-20-H62-4446	3	✓Ute Tribal 1-3D	SESE
14-20-H62-4453	22	✓Ute Tribal 1-22D	NENW
14-20-H62-4454	10	✓Ute Tribal 6-10D	SENE
14-20-H62-4455	21	✓Ute Tribal 1-21D	NENW
14-20-H62-4465	20	✓Ute Tribal 1-20D	NWNE
14-20-H62-4466	24	✓Ute Tribal 1-24D	NWNW

Township 4 South, Range 4 West, USM

<u>Lease No.</u>	<u>Section No.</u>	<u>Well Name</u>	<u>Location</u>
H1094ND-5351	7	✓Ute Tribal 1-7D	SESE
	8	✓Ute Tribal 2-8D	NWSE
	9	✓Ute Tribal #1	NWSW
	10	✓Ute Tribal 1-10D	SWSE
	10	✓Ute Tribal 2-10D	SWSW
	10	✓Ute Tribal 3-10D	SESW
	10	✓Ute Tribal 4-10D	NESE
	15	✓Ute Tribal 1-15D	SWSW
	15	✓Ute Tribal 2-15D	NWNW
	16	✓Ute Tribal #3	SENE
	16	✓Ute Tribal #5	SWNW
	16	✓Ute Tribal 6-16D	NENW
	16	✓Ute Tribal 7-16D	SENE
	16	✓Ute Tribal #8	NWNW
	16	✓Ute Tribal 8-16D	NESE
	16	✓Ute Tribal 14-16D	NENW
	17	✓Ute Tribal #6	SWNE
	17	✓Ute Tribal #7	SWNW
	17	✓Ute Tribal 4-17D	NWSE
	18	✓Ute Tribal 2-18D	NESE
	18	✓Ute Tribal 4-18D	NWNW

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

Routing

1- LEC / GIL
2- LWP 7-PL
3- DTB/SJ
4- VLC 9-FILE
5- RJF
6- LWP

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 2-1-94)

TO (new operator)	<u>PETROGLYPH OPERATING CO.</u>	FROM (former operator)	<u>EVERTSON OIL COMPANY INC</u>
(address)	<u>PO BOX 1839</u>	(address)	<u>PO BOX 397</u>
	<u>HUTCHINSON, KS 67504-1839</u>		<u>KIMBALL, NE 69145</u>
	<u>ANGELA BARE</u>		
	phone (<u>316</u>) <u>665-8500</u>		phone (<u>308</u>) <u>235-4871</u>
	account no. <u>N3800</u>		account no. <u>N6350</u>

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: <u>013-31180</u>	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Sec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Reg. 2-24-94) (Rec'd 4-7-94)
- Sec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 2-18-94) (Rec'd 4-7-94)
- Sec 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: #C0180242. (CH. 2-18-94)
- Sec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (7-8-94)
- Sup 6. Cardex file has been updated for each well listed above. 7-11-94
- Sup 7. Well file labels have been updated for each well listed above. 7-11-94
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (7-6-94)
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- N/A Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: July 29 1994.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

940706 Btm/Kernal Apr. 6-30-94.
* (1 st lease well handled separately)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
14-20-H62-3513

6. If Indian, Allottee or Tribe Name
Ute Indian Tribe

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Ute Tribal 18-09

9. API Well No.
43-013-31180

10. Field and Pool, or Exploratory Area
Antelope Creek

11. County or Parish, State
Duchesne County, UT

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator
Petroglyph Operating Company, Inc.

3. Address and Telephone No.
P.O. Box 607, Roosevelt, UT 84066 (435) 722-2531

4. Location of Well (Footage, Sec., T., R., or Survey Description)

**7' FEL & 2151' FSL
NESE Sec. 18 T5S-R3W**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other - Reperforate & acidize

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Petroglyph Operating Company, Inc. would like to notify by subsequent report that the above referenced well had the following work performed on January 13-18, 2000.

Reperforate zone 4607-17 & 4442-48 w/ 4-spf 120 deg. phasing.
Acidize 1500 gallons 15% FE HCL w/ additives.
Squeeze well w/ 2 bbls T229 scale inhibitor & put well on Injection.

14. I hereby certify that the foregoing is true and correct

Signed *Mark Smith*

Title Operations Coordinator

Date 2-18-00

(This space for Federal or State official use)

Approved by _____ Title _____

Date _____

Conditions of Approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other

RECEIVED

FEB 23 2000

2. Name of Operator
Petroglyph Operating Company, Inc.

3. Address and Telephone No.
P.O. Box 607, Roosevelt, UT 84066 (435) 722-2531

4. Location of Well (Footage, Sec., T., R., or Survey Description)

7' FEL & 2151' FSL
NESE Sec. 18 T5S-R3W

5. Lease Designation and Serial No.
14-20-H62-3513

6. If Indian, Allottee or Tribe Name
Ute Indian Tribe

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Ute Tribal 18-09

9. API Well No.
43-013-31180

10. Field and Pool, or Exploratory Area
Antelope Creek

11. County or Parish, State
Duchesne County, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other - Reperforate & acidize

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well

Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Petroglyph Operating Company, Inc. would like to notify by subsequent report that the above referenced well had the following work performed on January 13-18, 2000.

Reperforate zone 4607-17 & 4442-48 w/ 4-spf 120 deg. phasing.
Acidize 1500 gallons 15% FE HCL w/ additives.
Squeeze well w/ 2 bbls T229 scale inhibitor & put well on Injection.

14. I hereby certify that the foregoing is true and correct

Signed Wesley Smith

Title Operations Coordinator

Date 2-18-00

(This space for Federal or State official use)

Approved by

Title

NOTED

Date

2-5-2000

Conditions of Approval, if any:

OPERATIONS

RECEIVED FEB 23 2000

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, DC 20460

EPA**WELL REWORK RECORD**

NAME AND ADDRESS OF PERMITTEE

Petroglyph Operating Company, Inc.
P.O. Box 1839
Hutchinson, KS 67504-1839

NAME AND ADDRESS OF CONTRACTOR

Ute Indian Tribe

LOCATE WELL AND OUTLINE UNIT ON
SECTION PLAT - 640 ACRES

STATE

UT

COUNTY

Duchesne

PERMIT NUMBER

UT2736-04204

SURFACE LOCATION DESCRIPTION

NE 1/4 OF SE 1/4 OF 1/4 SECTION 18 TOWNSHIP 5S RANGE 3W

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface Location 2150 ft. from South Line of quarter section
and 667 ft. from East Line of quarter section

WELL ACTIVITY

☐ Brine Disposal
☒ Enhanced Recovery
☐ Hydrocarbon Storage

Lease Name

Ute Tribal

Total Depth Before Rework

6360

Total Depth After Rework

6360

Date Rework Commenced

1/13/00

Date Rework Completed

1/18/00

TYPE OF PERMIT

☐ Individual☒ Area

Number of Wells 42

Well Number

Ute Tribal # 18-09

WELL CASING RECORD - BEFORE REWORK

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	
8 5/8"	395	225	Class G	4442	4447	See "Well History" Attached diagram
5 1/2	5700	250	Highfill	4607	4617	See "Well History" Attached diagram
		900	50/50 poz mix	5377	5554	See "Well History" Attached diagram

WELL CASING RECORD - AFTER REWORK (Indicate Additions and Changes Only)

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	
Same as above						Acidize 1500 gallons 15% FE HCL w/ additives, squeeze well w/ 2 bbls T299 scale inhibitor; perform MIT test & put to Production
DESCRIBE REWORK OPERATIONS IN DETAIL USE ADDITIONAL SHEETS IF NECESSARY						WIRE LINE LOGS, LIST EACH TYPE
						Log Types
						Logged Intervals
Reperforate zone 4607-17 & 4442-48 w/ 4-spf 120 deg. phasing.						

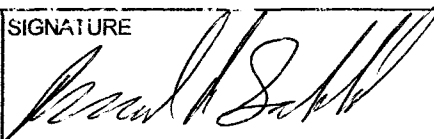
CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).

NAME AND OFFICIAL TITLE (Please type or print)

Micheal R. Safford
Operations Coordinator

SIGNATURE



DATE SIGNED

5-16-00

WORKOVER REPORT

2/7/2000

Petroglyph Operating Co., Inc.

Operator	Petroglyph Operating Company, Inc.	Elevation:	KB 6056
Lease:	Ute Tribal 18-09		GL 6041
API #:	43-013-31180	Property	50046
Location	18 - 5 S - 3 W	AFE/EPE Number:	
County, St.:	Duchesne UT	Event Type:	re-perf zone

Activity Date Daily Cost Activity Description

1/18/2000

7 AM open well, RIH w/ sand line & retrieve tool. Catch & retrieve standing valve. NU well head & lines. RD pump & lines. RD unit & police location. Hook up flow meter @ 10 AM.

NOTE: 2 3/8" short nipple on top of donut will not accept standing valve.

1/17/2000

7 AM open well, RU & swab. IFL @ surface, FFL @ 3200'. PHS 7 runs. 36 bbls recovered, total 71 bbls. Release RTTS @ 4306'. RIH release BV @ 4650'. Change in orders reset BV @ 4650'. POOH reset RTTS @ 4306'. RU & swab C4-C6. 8 runs IFL @ 500', FFL @ 3600'. PH 3-6+, 28 bbls recovered. Release RTTS RIH & release BV. Remover stripping head. POOH LD 10 jts 2 3/8". POOH LD 5 1/2" RTTS & BV. PU 2 3/8" injection BHA & RIH w/ injection tbgs. RD floor remove 8 3/8" flange, pump pkr fluid. Drop standing valve & set 5 1/2" hydro l pkr @ 2000 psi. Pkr @ 4311'. Secure well. 99 total bbls recovered.

TUBING DETAIL

KB	15.00	15.00
137 jts 2 3/8" 4.7	4296.74	
5 1/2" hydro l pkr	8.26	
2 3/8" 4.7 sub	4.28	
2 3/8" F nipple	1.81	
EOT		4326.09

1/15/2000

8 AM open well & RU & swab. IFL @ surface. PH @ 0, FFL @ 3100'. PH 5 3 runs, 16 bbls recovered total of 48 bbls from C6. Release RTTS @ 4531'. RIH catch BV & POOH set BV @ 4550'. Set RTTS @ 4471'. Test BV & RTTS to 2500 psi. Release RTTS & spot acid on C4 perfs 4442-48' @ 1 spf. Remove stripping head & POOH w/ RTTS. RU Schlumberger & perf C4 4442-48' @ 4 spf. RD Schlumberger & RIH w/ RTTS to 4306'. Spot acid to end of tbgs. Set RTTS @ 4306'. Pump acid & chemicals @ 1/4 bpm @ 2400 psi. Bleed off release RTTS. RIH catch & release BV @ 4550'. Move BV to 4605' & set BV. POOH w/ RTTS to 4306' & set RTTS. RU & swab IFL @ surface, FFL @ 3500' 35 bbls to recover. Secure well @ 5:30 PM.

1/14/2000

7 AM open well & NU well head flange & POOH w/ 2 5/8" injection tbgs & tools. NO BV RIH w/ RTTS to 1000' & set release RTTS. RIH set RTTS @ 3000'. Reset RTTS & release RIH to 4634'. Install stripping head & seat acid on C6 perfs 4607-17'. Remove stripping head. POOH RTTS. RU sch & perf C6 4607-12', 4 spf w/ 40 shots. RD sch. RIH w/ 5 1/2" RTTS to 4531'. Spot acid & set RTTS @ 4531'. Displace to perfs 2200 psi max @ 1/4 BPM. Bleed off & RU swab. Swab on C6. IFL @ surface. FFL @ 3700'. 32 bbls recovered. Secure well & drain up.

WORKOVER REPORT

2/7/2000

Petroglyph Operating Co., Inc.

Operator	Petroglyph Operating Company, Inc.	Elevation:	KB 6056
Well:	Ute Tribal 18-09		GL 6041
County, St.:	Duchesne UT		

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

1/13/2000

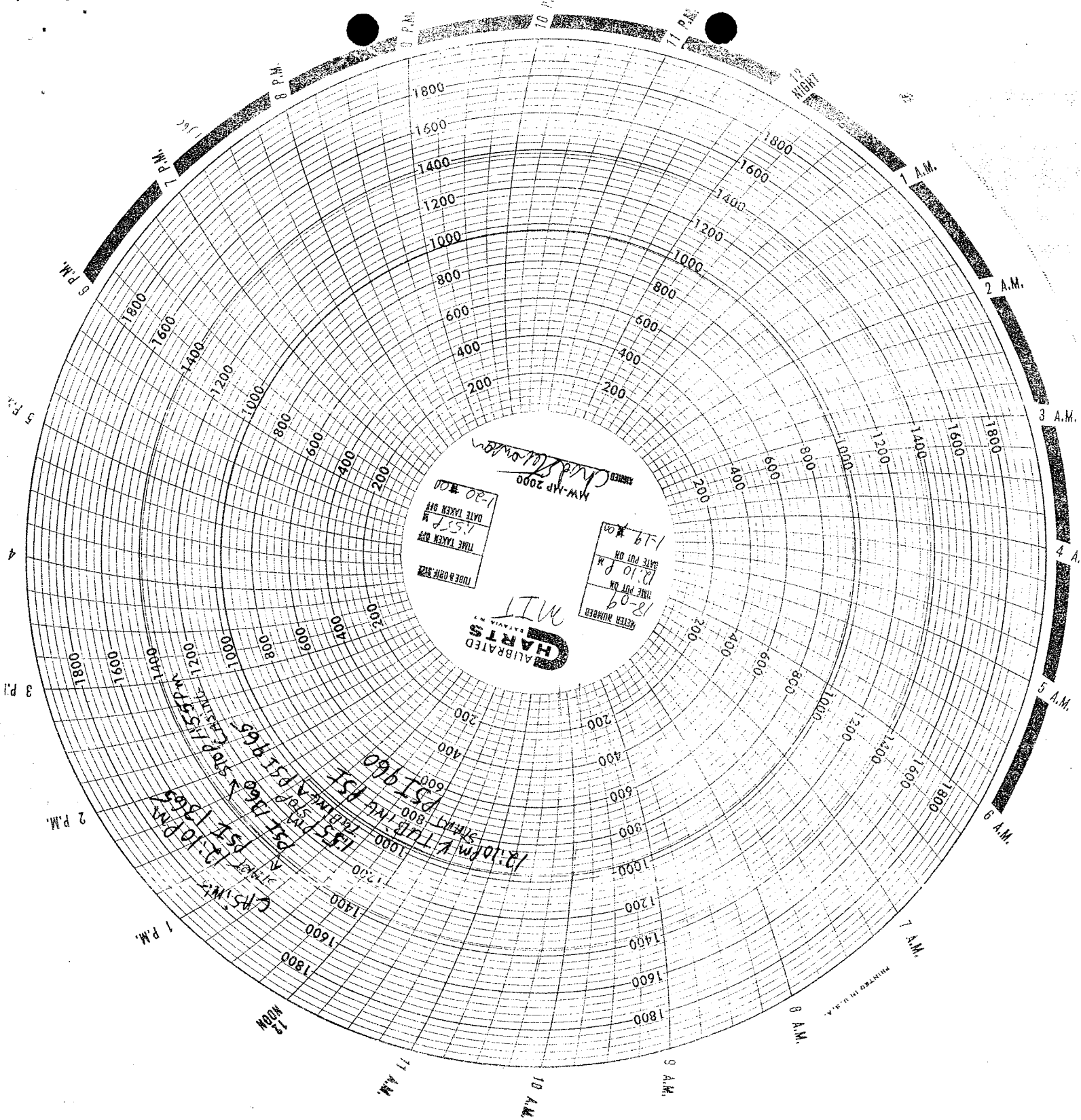
7 AM MIRU & change over to 2 3/8" from rods. ND injection lines. Release arrow set I. Drop standing valve & try test tbg (std valve hung up @ 2 3/8" short nipple). Repair problem. Drop standing valve & chase to 4318 w/ sand line. Load tbg w/ 2 bbls treated wtr. Test tbg to 3000 psi. okay. Retrieve std valve. RU floor & POOH 2 3/8" injection tbg w/ arrow set I packer. Packer try to set while pulling. PU 1/2" RTTS & BV. RIH w/ tools to 4680'. Work tools & try set BV. Could not get BV to set. POOH to 4250'. Try set BV same results. Secure well w/ tbg open to fluid tank @ 6 PM. Pulled over @ 602' from surface. 10,000# tbg strap out of hole.

Note: 1/2 drag block & drag spring dwn hole when packer (Arrow I) came through surface flange.

Cumulative Cost:

Days Since Start: 6

RECEIVED FEB 2 1 2000



Mechanical Integrity Test
Casing or Annulus Pressure Test for Well UT2736

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Implementation Section, 8WM-DW
999 18th Street, Suite 500, Denver, CO 80202-2466
This form was printed on 06/10/1996.

EPA Witness: _____ Date 1/21/00

Test conducted by: CHAD STEVENSON & CLIFF RTHWOOD

Others present: _____

UTE TRIBAL / 8-09	UT# 04204	as of
ANTELOPE CREEK		
Petroglyph Operating Company, Inc.,	Hutchinson, KS	Op ID PTC01
Last MIT: No record / /		
Max Allowed Press	psig 199	Max Reported Press psig

Is this a regularly scheduled test? ☐ Yes ☐ No
Initial test for permit? ☐ Yes ☐ No
Test after well rework? ☒ Yes ☐ No

Well injecting during test? ☒ NO ☐ YES

BPD

Initial casing/tubing annulus pressure 1365 / 960 psig
Does the annulus pressure build back up? ☐ Yes ☒ No

TUBING PRESSURE			
Initial	<u>960</u> psig	psig	psig
End of Test	<u>965</u> psig	psig	psig
CASING/TUBING ANNULUS PRESSURE			
Time	Test #1	Test #2	Test #3
0 min	<u>1365</u> psig	psig	psig
5	<u>1365</u>		
10	<u>1365</u>		
15 min	<u>1365</u>		
20	<u>1365</u>		
25	<u>1365</u>		
30 min	<u>1365</u>		
<u>24 HOURS</u>	<u>1360</u>		
Result (circle)	Pass Fail	Pass Fail	Pass Fail



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VIII

999 18th STREET - SUITE 500
DENVER, COLORADO 80202-2466

JUL 18 1994

UNDERGROUND INJECTION CONTROL PROGRAM

Final Area Permit

Class II Enhanced Recovery Unit

EPA Area Permit No. UT2736-00000

Field Name: Antelope Creek

Unit Name: Antelope Creek Waterflood

County & State: Duchesne County, Utah

issued to:

Petroglyph Operating Company, Inc.

6209 North Highway 61

Hutchinson, Kansas 67502



Printed on Recycled Paper

81 35

TABLE OF CONTENTS

TITLE SHEET	1
TABLE OF CONTENTS	2
PART I. AUTHORIZATION TO CONVERT/OR CONSTRUCT AND INJECT.	4
PART II. SPECIFIC PERMIT CONDITIONS	6
A. WELL CONVERSION/CONSTRUCTION REQUIREMENTS	6
1. <u>Casing and Cementing</u>	6
2. <u>Requirements for Additional Wells</u>	6
3. <u>Tubing and Packer Specifications</u>	7
4. <u>Monitoring Devices</u>	8
5. <u>Proposed Changes and Workovers</u>	8
6. <u>Formation Testing and Logging</u>	9
B. CORRECTIVE ACTION	9
C. WELL OPERATION	9
1. <u>Prior to Commencing Injection (Initial Wells)</u>	9
2. <u>Prior to Commencing Injection (Additional Wells)</u>	10
3. <u>Mechanical Integrity</u>	11
4. <u>Injection Interval</u>	12
5. <u>Injection Pressure Limitation</u>	13
6. <u>Injection Volume Limitation</u>	13
7. <u>Injection Fluid Limitation</u>	13
8. <u>Annular Fluid</u>	13
9. <u>Operation of Additional Wells</u>	13
D. MONITORING, RECORDKEEPING, AND REPORTING OF RESULTS	14
1. <u>Injection Well Monitoring Program</u>	14
2. <u>Monitoring Information</u>	14
3. <u>Recordkeeping</u>	15
4. <u>Annual Reporting</u>	15

E.	PLUGGING AND ABANDONMENT	16
1.	<u>Notice of Plugging and Abandonment</u>	16
2.	<u>Plugging and Abandonment Plan</u>	16
3.	<u>Cessation of Injection Activities</u>	16
4.	<u>Plugging and Abandonment Report.</u>	17
5.	<u>Plugging of Additional Wells</u>	17
F.	FINANCIAL RESPONSIBILITY	17
1.	<u>Demonstration of Financial Responsibility.</u>	17
2.	<u>Insolvency of Financial Institution</u>	17
3.	<u>Cancellation of Demonstration by Financial Institution</u>	18
PART III.	GENERAL PERMIT CONDITIONS	19
A.	EFFECT OF PERMIT	19
B.	PERMIT ACTIONS	19
1.	<u>Modification, Reissuance, or Termination</u>	19
2.	<u>Conversions.</u>	19
3.	<u>Transfers</u>	20
4.	<u>Operator Change of Address</u>	20
C.	SEVERABILITY	20
D.	CONFIDENTIALITY	20
E.	GENERAL DUTIES AND REQUIREMENTS	21
1.	<u>Duty to Comply</u>	21
2.	<u>Penalties for Violations of Permit Conditions</u>	21
3.	<u>Need to Halt or Reduce Activity not a Defense</u>	21
4.	<u>Duty to Mitigate</u>	21
5.	<u>Proper Operation and Maintenance</u>	21
6.	<u>Duty to Provide Information</u>	21
7.	<u>Inspection and Entry</u>	22
8.	<u>Records of Permit Application</u>	22
9.	<u>Signatory Requirements</u>	22
10.	<u>Reporting of Noncompliance</u>	22
APPENDIX A	(CONVERSION/CONSTRUCTION DETAILS)	25
APPENDIX B	(REPORTING FORMS)	31
APPENDIX C	(PLUGGING & ABANDONMENT PLANS)	38

PART I. AUTHORIZATION TO CONVERT/OR CONSTRUCT AND INJECT

Pursuant to the Underground Injection Control Regulations of the U. S. Environmental Protection Agency (EPA) codified at Title 40 of the Code of Federal Regulations, Parts 124, 144, 146, and 147,

Petroglyph Operating Company, Inc.
6209 North Highway 61
Hutchinson, Kansas 67502

is hereby authorized, under this area permit, to convert four (4) existing oil production wells to Class II enhanced recovery injection wells located within the Antelope Creek Field, Duchesne County, Utah. Each of these proposed wells are located within the permitted area which is defined as follows:

Township 5 South, Range 3 West, Duchesne County, Utah

Sections 2, 3, 4, 5, 6 (SE/4 of SE/4), 7, 8, 9, 10, 15, 16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, and 33.

The Area of Review (AOR) is defined as that area subtended by a line drawn one-quarter (1/4) mile beyond and around the boundaries described above. All of The Sections in T5S-R3W listed above are within the boundaries of the Uintah-Ouray Indian Reservation.

Injection will be for the purpose of enhanced recovery of oil so that Petroglyph Operating Company, Inc. may economically produce oil from the Antelope Creek Field, in accordance with conditions set forth herein, and initially utilizing the following currently existing production wells located in T5S-R3W:

<u>WELL NAME</u>	<u>LOCATION</u>	<u>EPA PERMIT NO.</u>
Ute Tribal #1-8	NW/4 of NW/4 Section 8	UT2736-04201
Ute Tribal #5-8	SE/4 of NW/4 Section 8	UT2736-04203
Ute Tribal #4-18	NW/4 of NE/4 Section 18	UT2736-04202
Ute Tribal #5-18	NE/4 of SE/4 Section 18	UT2736-04204

Injection activities shall not commence until the operator has fulfilled all applicable conditions of this permit and has received written authorization from the Director. "Prior to Commencing Injection" requirements are set forth in Part II, Section C. 1. & 2. of this permit.

All conditions set forth herein refer to Title 40 Parts 124, 144, 146, and 147 of the Code of Federal Regulations (CFR) and are regulations that are in effect on the date that this permit becomes effective.

This permit consists of a total of 46 pages and includes all items listed in the Table of Contents. Further, it is based upon representations made by the permittee and on other information contained in the administrative record. **It is the responsibility of the permittee to read and understand all provisions of this permit.**

This area permit and the authorization to inject are issued for the operating lives of the wells, unless terminated (Part III, Section B); **authorization to inject shall automatically expire due to prolonged postponement of conversion [Part II, Section A. 1. (b)].** The area permit will be reviewed by EPA at least every five (5) years to determine whether action under 40 CFR §144.36(a) is warranted.

The Northern Ute Indian Tribe of the Uintah-Ouray Reservation may apply for primary enforcement responsibility of the UIC program, thereby assuming primary responsibility for regulating this permittee. Notwithstanding approval of the Tribal UIC primacy application, EPA retains responsibility for directly administering and enforcing this federal permit, unless otherwise specifically addressed in the EPA/Tribe MOA (40 CFR §145.25). If EPA determines that the Tribe has issued an equivalent permit under an EPA approved UIC program, EPA and the permittee may agree to terminate this federal permit.

Issued this 12th day of July, 1994.

This permit shall become effective July 12, 1994.



* Max H. Dodson
Director
Water Management Division

NOTE: The person holding this title is referred to as the "Director" throughout this permit.

PART II. SPECIFIC PERMIT CONDITIONS

A. WELL CONVERSION/CONSTRUCTION REQUIREMENTS

1. Casing and Cementing.

- (a) The proposed conversion details submitted with the application are hereby incorporated into this permit as Appendix A, which graphically displays the present casing and cementing details. These plans have been reviewed by the EPA and are consistent with underground injection control (UIC) requirements and shall be binding on the permittee.
- (b) Postponement of conversion. If at least one of the wells under consideration is not converted to injection status within one (1) year from the effective date of this permit, the permit shall automatically expire. The permittee may request an extension for the conversion of the first well. This request shall be in writing to the Director, and shall state the reasons for the delay in conversion, and confirm the protection of all underground sources of drinking water (USDWs). The extension under this section may not exceed one (1) year.

Financial responsibility shall be maintained during the period of inactivity in accordance with Part II, Section F. Once a permit expires under this part, the full permitting process, including opportunity for public comment, must be repeated before authorization to inject will be reissued.

2. Requirements for Additional Wells. The permittee may convert and/or construct and operate additional wells within the permitted area, provided that all additional wells meet all conditions as set forth in the permit. All sections of this permit apply to any additional well(s) approved for injection.

(a) Casing and Cementing.

- (i) For any newly drilled injection well(s) constructed under this provision, the long string and surface casing shall be secured to the wellbore, with cement, through any subsurface intervals associated with USDWs.

- (ii) For any converted well(s), the long string and surface casing shall be secured to the wellbore in a manner similar to construction standards required of the proposed injection well(s) listed in this permit.
 - (b) Conversion/Construction Notification Requirement. The permittee shall give the Director thirty (30) days notice before proceeding with any activity with an additional well(s). Also the permittee shall submit a plan consisting of a well schematic and construction details, or modifications, for any such proposed enhanced recovery injection well(s). The plan must first be approved by the Director, and the permittee shall not begin implementation of the plan until after receiving written authorization from the Director.
 - (c) Formation Logging and Testing. All required testing and logging has been performed in accordance with Part II, Section 6. (a) & (b). For wells being converted (from production to injection), only those logs or tests which can physically be performed are required.
 - (d) Area of Review (AOR) Requirements. In conjunction with (b) above, the permittee shall submit information on any well, within a 1/4-mile of the Area Permit boundary, which was not included in the original application. This information shall include the well location, casing and cementing details, top of cement (calculated or logged), depths to tops and bottom of any USDWs, formation depths, and P&A plan(s).
 - (e) Corrective Action. For any wells, that penetrate the injection zone within the AOR, which are improperly sealed, completed, or abandoned, the Director may require such corrective action as is necessary to prevent movement of fluid out of the injection zone and into USDWs. Requirements may include such actions as remedial well construction or injection pressure limitations.
3. Tubing and Packer Specifications. The injection wells will be equipped with 2-7/8 inch tubing, with a packer set above the injection zone. The permittee is required to set the packer at a distance of no more than 100 feet above the uppermost perforations.

4. Monitoring Devices. The operator shall provide and maintain in good operating condition:

- (a) a tap on the suction line for the purpose of obtaining representative samples of the injection fluids;
- (b) two (2), one-half (1/2) inch Female Iron Pipe (FIP) fittings, isolated by plug or globe valves, and located: 1) at the wellhead on the tubing; and 2) on the tubing/casing annulus, and positioned to allow attachment of 1/2 inch Male Iron Pipe (MIP) gauges or the attachments for equivalent "quick-disconnect" gauges.

The operator shall always have in his possession calibrated gauges for the use of their field personnel to monitor tubing injection pressure and tubing/casing annulus pressure. The calibrated gauges shall be certified for at least ninety-five (95) percent accuracy throughout the range of anticipated injection pressures; and

- (c) a non-resettable flow meter with cumulative volume recorder that is certified for at least ninety-five (95) percent accuracy, throughout the range of injection rates allowed by the permit.

5. Proposed Changes and Workovers. The permittee shall give advance notice to the Director, as soon as possible, of any planned physical alterations or additions to the permitted well. Major alterations or workovers of the permitted well shall meet all conditions as set forth in this permit. A major alteration or workover shall be considered any work performed, which affects casing, packer(s), or tubing. For the conversion or construction of any additional well(s), the permittee shall give the Director thirty (30) days notice of the proposed activity as per Part II, Section A. 2.(b). A demonstration of mechanical integrity shall be performed within thirty (30) days of completion of any workover and/or alterations, and prior to resuming injection activities in accordance with Part II, Section C. 3. (a).

The permittee shall provide all records of well workovers, logging, or other test data to EPA within sixty (60) days of completion of the activity. Appendix B contains samples of the appropriate reporting forms.

6. Formation Testing and Logging.

- (a) Testing. Upon conversion and/or construction of each well, the permittee is required to determine the injection zone fluid pore pressure (static bottom hole pressure) prior to commencement of disposal operations.
- (b) Step-Rate Test. A step-rate injectivity test shall be performed on at least one (1) of the proposed injection wells to determine the formation parting pressure and the results submitted to the EPA. This testing may be performed prior to full operation, or within three (3) months after injection operations are initiated.
- (c) Logging. The permittee shall conduct appropriate down-hole logging prior to the setting of production casing on all newly constructed wells. The following suite of logs are required; Dual Induction (DIL) and Compensated Density/Neutron (CNL-FDC). A Cement Bond/Gamma Ray log shall be run after casing is set. All logging results shall be accompanied by a brief written narrative (prepared by a knowledgeable log analyst) identifying the USDWs, formation tops, confining layers, injection zones and top of cement.

B. CORRECTIVE ACTION

The operator is not required to take any corrective action on any of the forty-nine (49) production wells or the five (5) plugged and abandoned wells within the area of review (AOR), before the effective date of the permit. The manner in which the wells are cased and cemented will prevent any migration of fluids from the injection zones into underground sources of drinking water (USDWs) in the Uinta Formation.

C. WELL OPERATION

- 1. Prior to Commencing Injection (Initial Wells). Individual enhanced recovery injection operations for the four (4) existing production wells (Ute Tribal #1-8, #5-8, #4-18 and #5-18) may not commence until the permittee has complied with both (a) and (b), as follows:

- (a) All construction for each respective well is complete and the logging and/or testing requirements have been fulfilled, and the permittee has submitted a Well Rework Record (EPA Form 7520-12). Appendix B contains samples of the appropriate reporting forms.
 - (i) The Director has inspected or otherwise reviewed the newly converted injection well(s) and he has notified the operator that the well(s) is in compliance with the conditions of the permit; or
 - (ii) The Permittee has not received notice from the Director of his or her intent to inspect or otherwise review the new injection well(s) within thirteen (13) days of the date the Director has received the Well Rework Record, paragraph (a) above, in which case prior inspection or review is waived and the permittee may commence injection. However, in all circumstances, item (b) below must be satisfied.
- (b) The permittee demonstrates that a given well(s) has mechanical integrity in accordance with 40 CFR § 146.8 and Part II, Section C. 3. (a), below, and has received notice from the Director that such a demonstration is satisfactory. The permittee shall notify EPA two (2) weeks prior to conducting this test so that an authorized representative of the EPA may be present to observe the test. Results of the test shall be submitted to the Director as soon as possible, but no later than thirty (30) days after the demonstration.

2. Prior to Commencing Injection (Additional wells).
Injection operations for additional wells may not commence until the permittee has complied with both (a) and (b) below:

- (a) All required formation testing and logging has been performed in accordance with Part II, Section A. 2. (c), conversion and/or construction is complete, and the permittee has submitted the pertinent Well Completion Reports (EPA Form No. 7520-10) or Well Rework Record (EPA Form No. 7520-12) in Appendix B; and

- (i) the Director has inspected or otherwise reviewed any new injection wells and finds them in compliance with the conditions of the permit; or
 - (ii) the permittee has not received notice from the Director of his, or her, intent to inspect, or otherwise review, any of the new injection wells within thirteen (13) days of the date or receipt of the notice in paragraph (i) of this permit, in which case prior inspection or review is waived and the permittee may commence injection. (Note: In all circumstances item (b), below, must also be satisfied.)
- (b) The permittee demonstrates that a given well(s) has mechanical integrity in accordance with 40 CFR § 146.8 and Part II, Section C. 3. (a), and the permittee has received notice from the Director that such a demonstration is satisfactory. The permittee shall notify EPA two (2) weeks prior to conducting this test so that an authorized representative may be present to observe the test. Results of the test shall be submitted to the Director as soon as possible but no later than thirty (30) days after the demonstration.

3. Mechanical Integrity.

- (a) Method of Demonstrating Mechanical Integrity.
A demonstration of the absence of significant leaks in the casing, tubing, and/or packer must be made by performing a tubing/casing annulus pressure test. This test shall be for a minimum of forty-five (45) minutes at: (1) a pressure of 300 pounds per square inch gauge (psig) measured at the surface, if the well is shut-in; or (2) a pressure differential of 200 psig between the tubing and the tubing/casing annulus, if injection activities are continued during the test. The tubing/casing annulus shall be filled with a non-corrosive fluid (either a non-toxic liquid or the injection liquid) at least twenty-four (24) hours in advance of the test. Pressure values shall be recorded at five-minute intervals. A well passes the mechanical integrity test if there is less than a ten (10) percent decrease or increase in pressure over the forty-five (45) minute period.

(b) Schedule for Demonstration of Mechanical Integrity. A demonstration of mechanical integrity shall be made at regular intervals, no less frequently than once every five (5) years, in accordance with 40 CFR § 146.8, and paragraph (a), above, unless otherwise modified. Initiation of mechanical integrity demonstrations will be according to the following provisions:

(i) It shall be the permittee's responsibility to arrange and conduct the routine five-year tubing/casing annulus pressure test demonstration. The permittee shall notify the Director of his intent to demonstrate mechanical integrity at least two (2) weeks days prior to such demonstration. Results of the test shall be submitted to the Director as soon as possible, but no later than sixty (60) days after the demonstration.

(ii) In addition to any demonstration made under paragraph (i) above, the Director may require a demonstration of mechanical integrity at any time during the permitted life of a well.

(c) Loss of Mechanical Integrity. If the well(s) fail to demonstrate mechanical integrity during a test, or a loss of mechanical integrity as defined by 40 CFR § 146.8 becomes evident during operation, the permittee shall notify the Director in accordance with Part III, Section E. 10. of this permit. Furthermore, **injection activities shall be terminated immediately**; and operation shall not be resumed until the permittee has taken necessary actions to restore integrity to the well and EPA gives approval to recommence injection.

4. Injection Interval. Fluid injection shall be limited to the gross interval within the Green River Formation between the approximate depths of 3,750 and 5,850 feet. The Green River Formation, from its average top at ±1,410 feet to ±3,974 feet (upper confining zone), is composed of impermeable calcareous shales and continuous beds of microcrystalline dolomite. Petroglyph proposes to inject water into multiple lenticular sands which are distributed throughout a 2,100-foot section of the Green River Formation. These sands are individually separated by shale which act as isolation barriers (confining zones) for the waterflood.

5. Injection Pressure Limitation.

- (a) Injection pressure, measured at the surface, shall not exceed an amount that the Director determines is appropriate to ensure that injection does not initiate new fractures or propagate existing fractures in the confining zone adjacent to USDWs.
- (b) The exact pressure limit may be increased or decreased by the Director to ensure that the requirements in paragraph (a) are fulfilled. In order to determine an exact pressure limit, the permittee shall conduct a step-rate injection test or other authorized well test(s) that will serve to determine the fracture pressure of the injection zone. Test procedures shall be pre-approved by the Director. The Director will specify in writing, to the permittee, any increase or decrease to the injection pressure based upon the test results and/or other parameters reflecting actual injection operations. Until such time that this demonstration is made, the initial injection pressure, measured at the surface, shall not exceed 1,900 psig.

6. Injection Volume Limitation. There is no limitation on the number of barrels of water per day (BWPD) that shall be injected into the Green River sand perforations, provided further that in no case shall injection pressure exceed that limit shown in Part II, Section C. 5. (b) of this permit.

7. Injection Fluid Limitation. Injection fluids are limited to those which are identified in 40 CFR § 144.6. (b) (2) as fluids used for enhanced recovery of oil or natural gas. The permittee shall provide a listing of the sources of the injected fluids in accordance with the reporting requirements in Part II, Section D. 4. of this permit.

8. Annular Fluid. The annulus between the tubing and the casing shall be filled with fresh water and/or brines treated with a corrosion inhibitor, a scale inhibitor, and an oxygen scavenger, or other fluid as approved, in writing, by the Director.

9. Operation of Additional Wells. The permittee may operate additional wells within the permit area, provided that the additional wells meet all conditions as set forth in the permit.

D. MONITORING, RECORDKEEPING, AND REPORTING OF RESULTS

1. Injection Well Monitoring Program. Samples and measurements shall be representative of the monitored activity. The permittee shall utilize the applicable analytical methods described in Table 1 of 40 CFR § 136.3, or in Appendix III of 40 CFR Part 261, or in certain circumstances, by other methods that have been approved by the EPA Administrator. Monitoring shall consist of:
 - (a) Analysis of the disposed fluids, performed:
 - (i) annually for Total Dissolved Solids, Ph, Specific Conductivity, and Specific Gravity from the common facility; however, if injection is maintained from more than one well from each common facility, then only one annual analysis is required for that facility.
 - (ii) whenever there is a change in the source of disposed fluids. A comprehensive water analysis shall be submitted to the Director within thirty (30) days of any change in injection fluids.
 - (b) Observations of flow rate, injection pressure, annulus pressure, and cumulative volume shall be conducted weekly. All observations shall be observed and/or measured at approximately the same time. Observations of each shall be recorded monthly.
- 2) Monitoring Information. Records of any monitoring activity required under this permit shall include:
 - (a) The date, exact place, the time of sampling or field measurements;
 - (b) The name of the individual(s) who performed the sampling or measurements;
 - (c) The exact sampling method(s) used to take samples;
 - (d) The date(s) laboratory analyses were performed;

- (e) The name of the individual(s) who performed the analyses;
- (f) The analytical techniques or methods used by laboratory personnel; and
- (g) The results of such analyses.

3. Recordkeeping.

- (a) The permittee shall retain records concerning:
 - (i) the nature and composition of all injected fluids until three (3) years after the completion of plugging and abandonment which has been carried out in accordance with the Plugging and Abandonment Plan shown in Appendix C, and is consistent with 40 CFR § 146.10.
 - (ii) all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation and copies of all reports required by this permit for a period of at least five (5) years from the date of the sample, measurement or report throughout the operating life of the well.
- (b) The permittee shall continue to retain such records after the retention period specified in paragraphs (a) (i) and (a) (ii) unless he delivers the records to the Director or obtains written approval from the Director to discard the records.
- (c) The Permittee shall maintain copies (or originals) of all pertinent records at the office of Petroglyph Operating Company, Inc., 6209 North Highway 61, Hutchinson, Kansas 67502.

4. Annual Reporting. The permittee shall submit an Annual Report, whether injecting or not, to the Director summarizing the results of the monitoring required by Part II, Section D. 1. (a) and (b) of this permit. The permittee shall also include a listing of all sources of the fluids injected during the year identifying the source by either the well name(s), the field name(s), or the facility name(s).

The first Annual Report shall cover the period from the effective date of the permit through December 31 of that year. Subsequent Annual Reports shall cover the period from January 1 through December 31. **Annual Reports shall be submitted by February 15 of the following year following data collection.** Appendix B contains Form 7520-11 which may be copied and used to submit the Annual Report.

E. PLUGGING AND ABANDONMENT

1. Notice of Plugging and Abandonment. The permittee shall notify the Director forty-five (45) days before abandonment of the well.
2. Plugging and Abandonment Plan. The plugging and abandonment plans submitted by the permittee, are incorporated into the permit, (Appendix C of the Permit) and shall be binding on the permittee. These plans have been reviewed and approved by the EPA. The EPA reserves the right to change the manner in which the well will be plugged if the well is modified during its permitted life or if the well is not made consistent with EPA requirements for construction and mechanical integrity. The Director may require the permittee to update the estimated plugging cost periodically. Such estimates shall be based upon costs which a third party would incur to plug the well according to the plan.
3. Cessation of Injection Activities. After a cessation of operations of two (2) years, the permittee shall plug and abandon the well in accordance with the Plugging and Abandonment Plan, unless the permittee:
 - (a) has provided notice to the Director; and
 - (b) has demonstrated that the well will be used in the future; and
 - (c) has described actions or procedures, satisfactory to the Director, that will be taken to ensure that the well will not endanger underground sources of drinking water during the period of temporary abandonment.

4. Plugging and Abandonment Report(s). Within sixty (60) days after plugging the well, the permittee shall submit a report on Form 7520-13 to the Director. The report shall be certified as accurate by the person who performed the plugging operation, and the report shall consist of either: (1) a statement that the well was plugged in accordance with the plan; or (2) where actual plugging differed from the plan, a statement that specifies the different procedures followed.
5. Plugging of Additional Wells. The permittee may plug and abandon any future additional enhanced recovery injection wells within the permit area that were converted or constructed under Part II, Section A., provided that the plugging and abandonment meets all conditions as set forth in this permit.

F. FINANCIAL RESPONSIBILITY

1. Demonstration of Financial Responsibility. The permittee is required to maintain continuous financial responsibility and resources to close, plug, and abandon the injection wells as provided in the plugging and abandonment plan.
 - (a) The permittee may submit a written request to EPA to change the type of financial mechanism or instrument utilized. A change in demonstration of financial responsibility must be approved in writing by the Director.
2. Insolvency of Financial Institution. In the event that an alternate demonstration of financial responsibility has been approved under (a), above, the permittee must submit an alternate demonstration of financial responsibility acceptable to the Director within sixty (60) days after either of the following events occur:
 - (a) The institution issuing the trust or financial instrument files for bankruptcy; or
 - (b) The authority of the trustee institution to act as trustee, or the authority of the institution issuing the financial instrument, is suspended or revoked.

3. Cancellation of Demonstration by Financial Institution.
The permittee must submit an alternative demonstration of financial responsibility acceptable to the Director, within sixty (60) days after the institution issuing the trust or financial instrument serves 120-day notice to the EPA of their intent to cancel the trust or financial instrument.

PART III. GENERAL PERMIT CONDITIONS

A. EFFECT OF PERMIT

The permittee is allowed to engage in underground disposal in accordance with the conditions of this permit. The permittee, as authorized by this permit, shall not construct, operate, maintain, convert, plug, abandon, or conduct any other disposal activity in a manner that allows the movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation under 40 CFR Part 142 or otherwise adversely affect the health of persons. Any underground disposal activity not authorized in this permit or otherwise authorized by permit or rule is prohibited. Issuance of this permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of State or local law or regulations. Compliance with the terms of this permit does not constitute a defense to any enforcement action brought under the provisions of Section 1431 of the Safe Drinking Water Act (SDWA), 42 USC §300i, or any other law governing protection of public health or the environment for any imminent and substantial endangerment to human health, or the environment, nor does it serve as a shield to the permittee's independent obligation to comply with all UIC regulations.

B. PERMIT ACTIONS

1. Modification, Reissuance, or Termination. The Director may, for cause or upon a request from the permittee, modify, revoke and reissue, or terminate this permit in accordance with 40 CFR §§ 124.5, 144.12, 144.39, and 144.40. Also, the permit is subject to minor modifications for cause as specified in 40 CFR § 144.41. The filing of a request for a permit modification, revocation and reissuance, or termination or the notification of planned changes or anticipated noncompliance on the part of the permittee does not stay the applicability or enforceability of any permit condition.
2. Conversions. The Director may, for cause or upon a request from the permittee, allow conversion of the well from a Class II salt water disposal well to a non-Class II well. Requests to convert the disposal well from its Class II status to a non-Class II well,

such as, a production well, must be made in writing to the Director. Conversion may not proceed until a permit modification indicating the conditions of the proposed conversion is received by the permittee. Conditions of the modification may include such items as, but is not limited to, approval of the proposed well rework, follow up demonstration of mechanical integrity, and well specific monitoring and reporting following the conversion.

3. Transfers. This permit is not transferrable to any person except after notice is provided to the Director and the requirements of 40 CFR § 144.38 are complied with. The Director may require modification, or revocation and reissuance, of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under the SDWA.
4. Operator Change of Address. Upon the operator's change of address, notice must be given to the appropriate EPA office at least fifteen (15) days prior to the effective date.

C. SEVERABILITY

If any provision of this permit or the application of any provision of this permit to any circumstance is stayed or held invalid, all remaining provisions of this permit shall remain fully effective and enforceable, except for those provisions which are not severable from the stayed or invalid provision.

D. CONFIDENTIALITY

In accordance with 40 CFR Part 2 and 40 CFR §144.5, any information submitted to EPA pursuant to this permit may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, EPA may make the information available to the public without further notice. If a claim is asserted, the validity of the claim will be assessed in accordance with the procedures in 40 CFR Part 2 (Public Information). EPA will deny claims of confidentiality including but not limited to the following information:

- The name and address of the permittee; and
- Information which deals with the existence, absence or level of contaminants in drinking water.

E. GENERAL DUTIES AND REQUIREMENTS

1. Duty to Comply. The permittee shall comply with all conditions of this permit, except to the extent and for the duration such noncompliance is authorized by an emergency permit. Any permit noncompliance constitutes a violation of the SDWA and is grounds for enforcement action, permit termination, revocation and reissuance, or modification. Such noncompliance may also be grounds for enforcement action under the Resource Conservation and Recovery Act (RCRA).
2. Penalties for Violations of Permit Conditions. Any person who violates a permit requirement is subject to civil penalties, fines, and other enforcement action under the SDWA and may be subject to such actions pursuant to the RCRA. Any person who willfully violates permit conditions may be subject to criminal prosecution.
3. Need to Halt or Reduce Activity not a Defense. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
4. Duty to Mitigate. The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit.
5. Proper Operation and Maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this permit.
6. Duty to Provide Information. The permittee shall furnish the Director, within a time specified, any information which the Director may request to determine whether cause exists for modifying, revoking and

reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

7. Inspection and Entry. The permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:
 - (a) Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
 - (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
 - (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
 - (d) Sample or monitor, at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the SDWA any substances or parameters at any location.
8. Records of Permit Application. The permittee shall maintain records of all data required to complete the permit application and any supplemental information submitted for a period of five (5) years from the effective date of this permit. This period may be extended by request of the Director at any time.
9. Signatory Requirements. All reports or other information requested by the Director shall be signed and certified according to 40 CFR § 144.32.
10. Reporting of Noncompliance.
 - (a) Anticipated Noncompliance. The permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

- (b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than thirty (30) days following each schedule date.
- (c) Twenty-four Hour Reporting.
- (i) The permittee shall report to the Director any noncompliance which may endanger health or the environment. Information shall be provided orally within twenty-four (24) hours from the time the permittee becomes aware of the circumstances by telephoning EPA at (303) 293-1550 (during normal business hours) or at (303) 293-1788 (for reporting at all other times). The following information shall be included in the verbal report:
- (A) Any monitoring or other information which indicates that any contaminant may cause endangerment to an underground source of drinking water (USDW).
- (B) Any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between USDWs.
- (ii) A written submission shall also be provided to the Director within five (5) days of the time the permittee becomes aware of the potential for endangerment to health or the environment. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
- (d) Other Noncompliance. The permittee shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted. The reports shall contain the information listed in Part III, Section E. 10. (c) (ii) of this permit.

- (e) Other Information. Where the permittee becomes aware that any relevant facts were not submitted in the permit application, or incorrect information was submitted in a permit application or in any report to the Director, the permittee shall submit such correct facts or information within two (2) weeks of the time such information becomes known.

APPENDIX A

(CONVERSION/CONSTRUCTION DETAILS)

Ute Tribal #1-8
Ute Tribal #5-8
Ute Tribal #4-18
Ute Tribal #5-18

UPON REENTRY OF THESE OIL WELLS, THE CONVERSION TO AN
ENHANCED RECOVERY WELL WILL BE AS FOLLOWS:

- (1) Move in and rig up service unit (MIRUSU), trip out of hole (TOH) with rods and tubing.
- (2) Trip in hole (TIH) w/ bit and casing scraper to total depth (TD) to ensure that the casing is clean. Any fill encountered will be circulated out of the well.
- (3) Cement squeeze and/or isolate by CIBP selected perforations as required. The proposed downhole injection equipment will then be run on tubing and set at the appropriate depth.
- (4) The casing annulus will be filled with the recommended packer fluid.
- (5) Notify EPA of Mechanical Integrity Testing, with EPA authorized representative present, run MIT, if passed, place well on injection status upon approval from the Director.

Ute Tribal #1-8
Wellbore Diagram
After Conversion

Water Samples and Locations

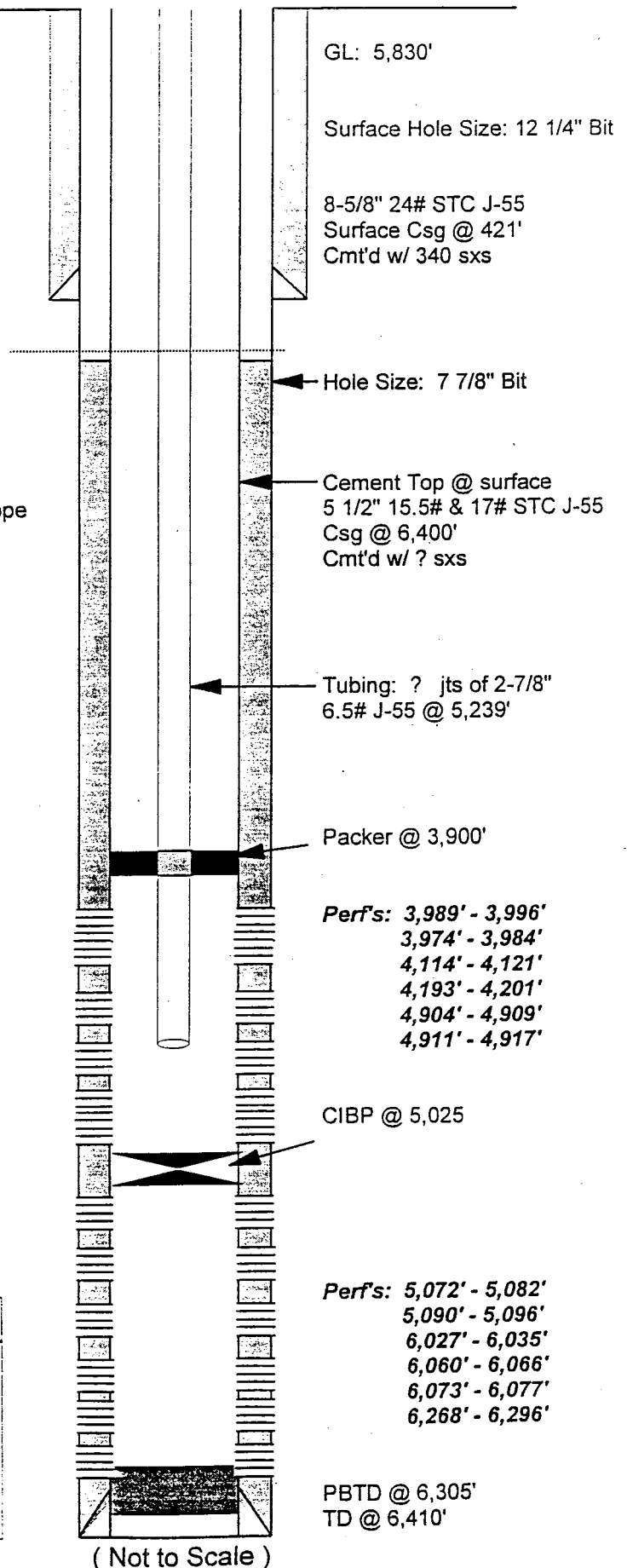
No USDW found in Uinta Formation

Top of Green River Formation at 1,270'

No USDW found in Green River Formation

Average Total Dissolved Solids in 21 wells within the Antelope
Creek Project Area equals 16,722.55 Parts Per Million

Inland Resources Inc.
Ute Tribal 1-8
(754' FNL & 888' FWL)
NW NW 8-T5S-R3W
Antelope Creek Field
Duchesne Co, Utah
API #43-013-30759; Lease #14-20-H62-3507



Ute Tribal #5-8
Wellbore Diagram
After Conversion

Water Samples and Locations

USDW found in Uinta Formation
Water found at 200' with total dissolved solids of 9885 Parts
Per Million

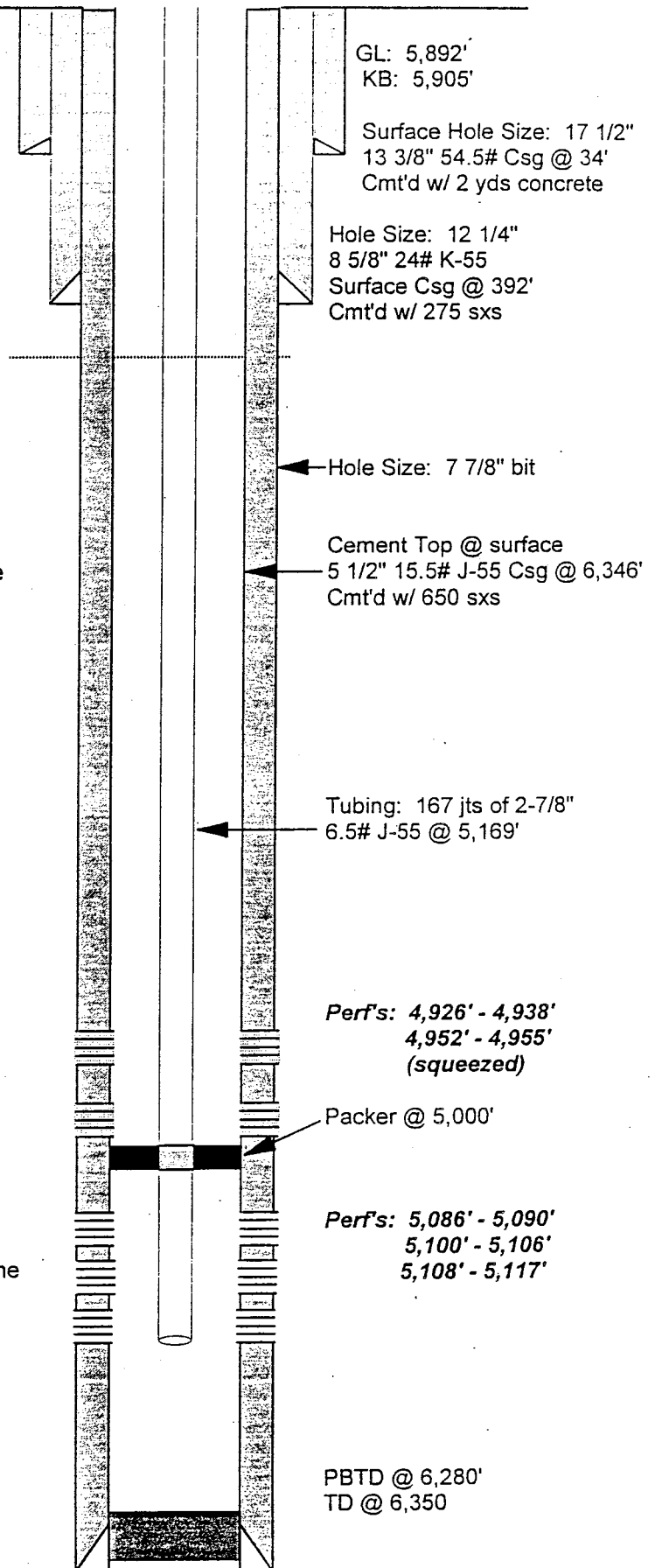
Top of Green River Formation at 1,360'

No USDW found in Green River Formation

Average Total Dissolved Solids in 21 wells within the Antelope
Creek Project Area equals 16,722.55 Parts Per Million

Inland Resources Inc.
Ute Tribal 5-8
(1,550' FNL & 1,550' FWL)
SE NW Section 8-T5S-R3W
Antelope Creek Field
Duchesne Co, Utah
API #43-013-31307; Lease #14-20-H62-3507

D-7 Zone



(Not to Scale)

**Ute Tribal #4-18
Wellbore Diagram
After Conversion**

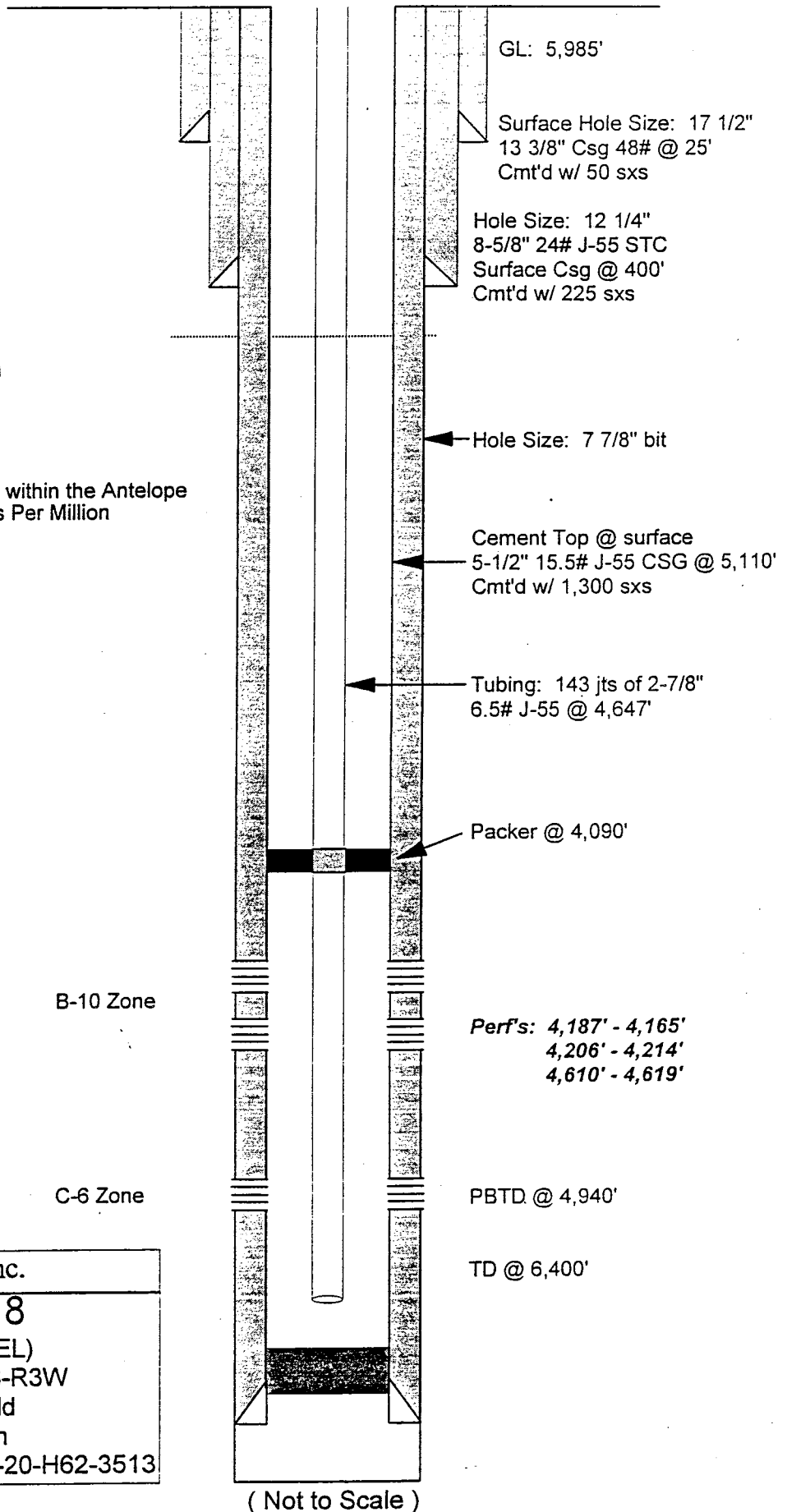
Water Samples and Locations

No USDW found in Uinta Formation

Top of Green River Formation at 1,510'

No USDW found in Green River Formation

Average Total Dissolved Solids in 21 wells within the Antelope Creek Project Area equals 16,722.55 Parts Per Million
(See Exhibit 2 this section)



Inland Resources Inc.
Ute Tribal 4-18
(812' FNL & 1,768' FEL)
NW NW Section 18-T5S-R3W
Antelope Creek Field
Duchesne Co, Utah
API #43-013-31091; Lease #14-20-H62-3513

**Ute Tribal #5-18
Wellbore Diagram
After Conversion**

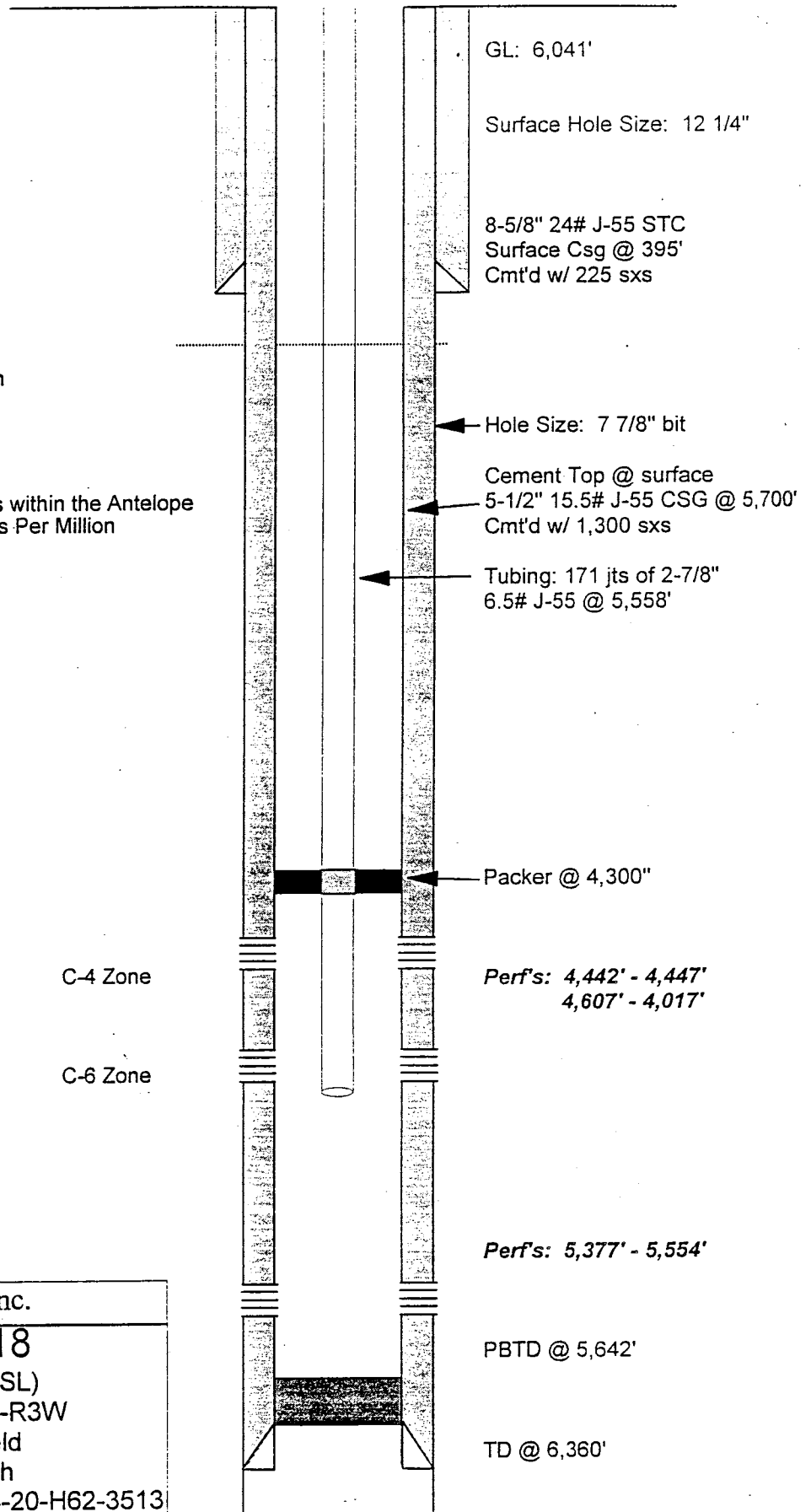
Water Samples and Locations

No USDW found in Uinta Formation

Top Green River Formation @ 1,502'

No USDW found in Green River Formation

Average Total Dissolved Solids in 21 wells within the Antelope Creek Project Area equals 16,722.55 Parts Per Million (See Exhibit 2 this section)



Inland Resources Inc.

Ute Tribal 5-18

(667' FEL & 2,151' FSL)

NE SE Section 18-5TS-R3W

Antelope Creek Field

Duchesne Co, Utah

API #43-013-31180; Lease #14-20-H62-3513

(Not to Scale)

APPENDIX B

REPORTING FORMS

1. EPA Form 7520- 7: APPLICATION TO TRANSFER PERMIT
2. EPA Form 7520-10: COMPLETION REPORT FOR BRINE DISPOSAL WELL
3. EPA Form 7520-11: ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT
4. EPA Form 7520-12: WELL REWORK RECORD
5. EPA Form 7520-13: PLUGGING RECORD
6. EPA Form R8: MECHANICAL INTEGRITY PRESSURE TEST


 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 WASHINGTON, DC 20460

APPLICATION TO TRANSFER PERMIT

NAME AND ADDRESS OF EXISTING PERMITTEE	NAME AND ADDRESS OF SURFACE OWNER
--	-----------------------------------

 LOCATE WELL AND OUTLINE UNIT ON
 SECTION PLAT — 640 ACRES

STATE	COUNTY	PERMIT NUMBER
-------	--------	---------------

SURFACE LOCATION DESCRIPTION

1/4 OF	1/4 OF	1/4 SECTION	TOWNSHIP	RANGE
--------	--------	-------------	----------	-------

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

 Surface
 Location _____ ft. from (N/S) _____ Line of quarter section
 and _____ ft. from (E/W) _____ Line of quarter section

WELL ACTIVITY

WELL STATUS

TYPE OF PERMIT

- ☐ Class I
☐ Class II
 ☐ Brine Disposal
 ☐ Enhanced Recovery
 ☐ Hydrocarbon Storage
☐ Class III
☐ Other

- ☐ Operating
☐ Modification/Conversion
☐ Proposed

- ☐ Individual
☐ Area
 Number of Wells _____

Lease Name

Well Number

NAME(S) AND ADDRESS(ES) OF NEW OWNER(S)	NAME AND ADDRESS OF NEW OPERATOR
---	----------------------------------

Attach to this application a written agreement between the existing and new permittee containing a specific date for transfer of permit responsibility, coverage, and liability between them.

The new permittee must show evidence of financial responsibility by the submission of surety bond, or other adequate assurance, such as financial statements or other materials acceptable to the director.

CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

NAME AND OFFICIAL TITLE (Please type or print)	SIGNATURE	DATE SIGNED
--	-----------	-------------



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

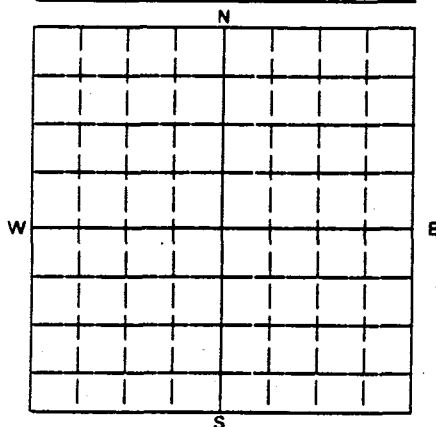
COMPLETION REPORT FOR BRINE DISPOSAL, HYDROCARBON STORAGE, OR ENHANCED RECOVERY WELL

Form Approved
OMB No. 2040-0042
Approval expires 9-30-96

NAME AND ADDRESS OF EXISTING PERMITTEE

NAME AND ADDRESS OF SURFACE OWNER

LOCATE WELL AND OUTLINE UNIT ON
SECTION PLAT — 640 ACRES



STATE

COUNTY

PERMIT NUMBER

SURFACE LOCATION DESCRIPTION

1/4 OF

1/4 OF

1/4 SECTION

TOWNSHIP

RANGE

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface

Location ____ ft. from (N/S) ____ Line of quarter section

and ____ ft. from (E/W) ____ Line of quarter section

WELL ACTIVITY

TYPE OF PERMIT

☐ Brine Disposal

☐ Individual

Estimated Fracture Pressure
of Injection Zone

☐ Enhanced Recovery

☐ Area

☐ Hydrocarbon Storage

Number of Wells ____

Anticipated Daily Injection Volume (Bbls)

Injection Interval

Average

Maximum

Feet

to Feet

Anticipated Daily Injection Pressure (PSI)

Depth to Bottom of Lowermost Freshwater Formation
(Feet)

Average

Maximum

Type of Injection Fluid (Check the appropriate block(s))

☐ Salt Water

☐ Brackish Water

☐ Fresh Water

☐ Liquid Hydrocarbon

☐ Other

Lease Name

Well Number

Name of Injection Zone

Date Drilling Began

Date Well Completed

Permeability of Injection Zone

Date Drilling Completed

Porosity of Injection Zone

CASING AND TUBING

CEMENT

HOLE

OD Size

Wt/Ft — Grade — New or Used

Depth

Sacks

Class

Depth

Bit Diameter

INJECTION ZONE STIMULATION

WIRE LINE LOGS, LIST EACH TYPE

Interval Treated

Materials and Amount Used

Log Types

Logged Intervals

Complete Attachments A — E listed on the reverse.

CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).

NAME AND OFFICIAL TITLE (Please type or print)

DATE SIGNED

ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT

NAME AND ADDRESS OF SURFACE OWNER

PERMIT NUMBER	
---------------	--

RANGE

and _____ ft. from (E/W) _____ Line of quarter section

Number of Wells _____

Well Number

TUBING — CASING ANNULUS PRESSURE
(OPTIONAL MONITORING)

MAXIMUM PSIG

DATE SIGNED _____

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

WELL REWORK RECORD

NAME AND ADDRESS OF PERMITTEE

NAME AND ADDRESS OF CONTRACTOR

LOCATE WELL AND OUTLINE UNIT ON
SECTION PLAT — 640 ACRES

STATE

COUNTY

PERMIT NUMBER

SURFACE LOCATION DESCRIPTION

¼ OF

¼ OF

¼ SECTION

TOWNSHIP

RANGE

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface

Location _____ ft. from (N/S) _____ Line of quarter section

and _____ ft. from (E/W) _____ Line of quarter section

WELL ACTIVITY

- ☐ Brine Disposal
☐ Enhanced Recovery
☐ Hydrocarbon Storage

Lease Name

Total Depth Before Rework

Total Depth After Rework

Date Rework Commenced

Date Rework Completed

TYPE OF PERMIT

☐ Individual☐ Area

Number of Wells _____

Well Number

WELL CASING RECORD — BEFORE REWORK

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

WELL CASING RECORD — AFTER REWORK (Indicate Additions and Changes Only)

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

DESCRIBE REWORK OPERATIONS IN DETAIL
USE ADDITIONAL SHEETS IF NECESSARY

WIRE LINE LOGS, LIST EACH TYPE

Log Types

Logged Intervals

CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).

NAME AND OFFICIAL TITLE (Please type or print)

SIGNATURE

DATE SIGNED



PLUGGING RECORD

NAME AND ADDRESS OF PERMITTEE

NAME AND ADDRESS OF CEMENTING COMPANY

LOCATE WELL AND OUTLINE UNIT ON
SECTION PLAT — 640 ACRES

STATE

COUNTY

PERMIT NUMBER

SURFACE LOCATION DESCRIPTION

1/4 OF

1/4 OF

1/4 SECTION

TOWNSHIP

RANGE

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface

Location _____ ft. from (N/S) _____ Line of quarter section

and _____ ft. from (E/W) _____ Line of quarter section

TYPE OF PERMIT

- ☐
- Individual
-
- ☐
- Area

Describe in detail the manner in which the fluid was placed and
the method used in introducing it into the hole

Number of Wells

CASING AND TUBING RECORD AFTER PLUGGING

WELL ACTIVITY

METHOD OF EMPLACEMENT OF
CEMENT PLUGS

SIZE	WT(LB/FT)	PUT IN WELL (FT)	LEFT IN WELL (FT)	HOLE SIZE

- ☐
- Brine Disposal
-
- ☐
- Enhanced Recovery
-
- ☐
- Hydrocarbon Storage

- ☐
- The Balance Method
-
- ☐
- The Dump Bailer Method
-
- ☐
- The Two-Plug Method

Lease Name

Well Number

CEMENTING TO PLUG AND ABANDON DATA:

PLUG #1

PLUG #2

PLUG #3

PLUG #4

PLUG #5

PLUG #6

PLUG #7

Cementing Date

Size of Hole or Pipe in which Plug Placed (inches)

Depth to Bottom of Tubing or Drill Pipe (ft.)

Sacks of Cement Used (each plug)

Slurry Volume Pumped (cu. ft.)

Calculated Top of Plug (ft.)

Measured Top of Plug (if tagged ft.)

Slurry Wt. (Lb./Gal.)

Type Cement

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS

From

To

From

To

Signature of Cementer or Authorized Representative

Signature of EPA Representative

CERTIFICATION.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

NAME AND OFFICIAL TITLE (Please type or print)

SIGNATURE

DATE SIGNED

Mechanical Integrity Test Casing/Annulus Pressure Test

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Implementation Section, 8WM-DW
999 18th Street, Suite 500, Denver, CO 80202-2466

EPA Witness: _____ Date ____/____/9 Time _____ am/pm

Test conducted by: _____

Others present: _____

Well name _____ EPA Number _____

Field name _____

Location _____ qtr qtr; _____ Section; _____ Township; _____ Range

Owner/Operator _____

Time	Test #1	Test #2	Test #3
0 min	_____ psig	_____ psig	_____ psig
5	_____	_____	_____
10	_____	_____	_____
15	_____	_____	_____
20	_____	_____	_____
25	_____	_____	_____
30 min	_____	_____	_____
35	_____	_____	_____
40	_____	_____	_____
45	_____	_____	_____
50	_____	_____	_____
55	_____	_____	_____
60 min	_____	_____	_____

Tubing press _____ psig _____ psig _____ psig

Result (circle) Pass Fail Pass Fail Pass Fail

Signature of Witness: _____

APPENDIX C (PLUGGING & ABANDONMENT PLANS)

Ute Tribal #1-8
Ute Tribal #5-8
Ute Tribal #4-18
Ute Tribal #5-18

Petroglyph Operating Company

Ute Tribal #1-8
T5S, R3W, Section 8

Plugging and Abandonment Plan

Primary Plan

1. POOH w/ tubulars.
2. RIH Set CIBP @ 3850'.
3. Set 200' cement plug (30 sxs class G cement) above CIBP.
4. Set 200' cement plug (30 sxs class G cement) @ 2400'.
5. Set 100' cement plug (15 sxs class G cement) across base of surface (471'-371').
6. Set 50' cement plug (8 sxs class G cement) from 50' to surface.
7. Pump 75 sxs down annulus or until full returns
8. Set P&A marker.

**Ute Tribal #1-8
Wellbore Diagram
Plugged**

Water Samples and Locations

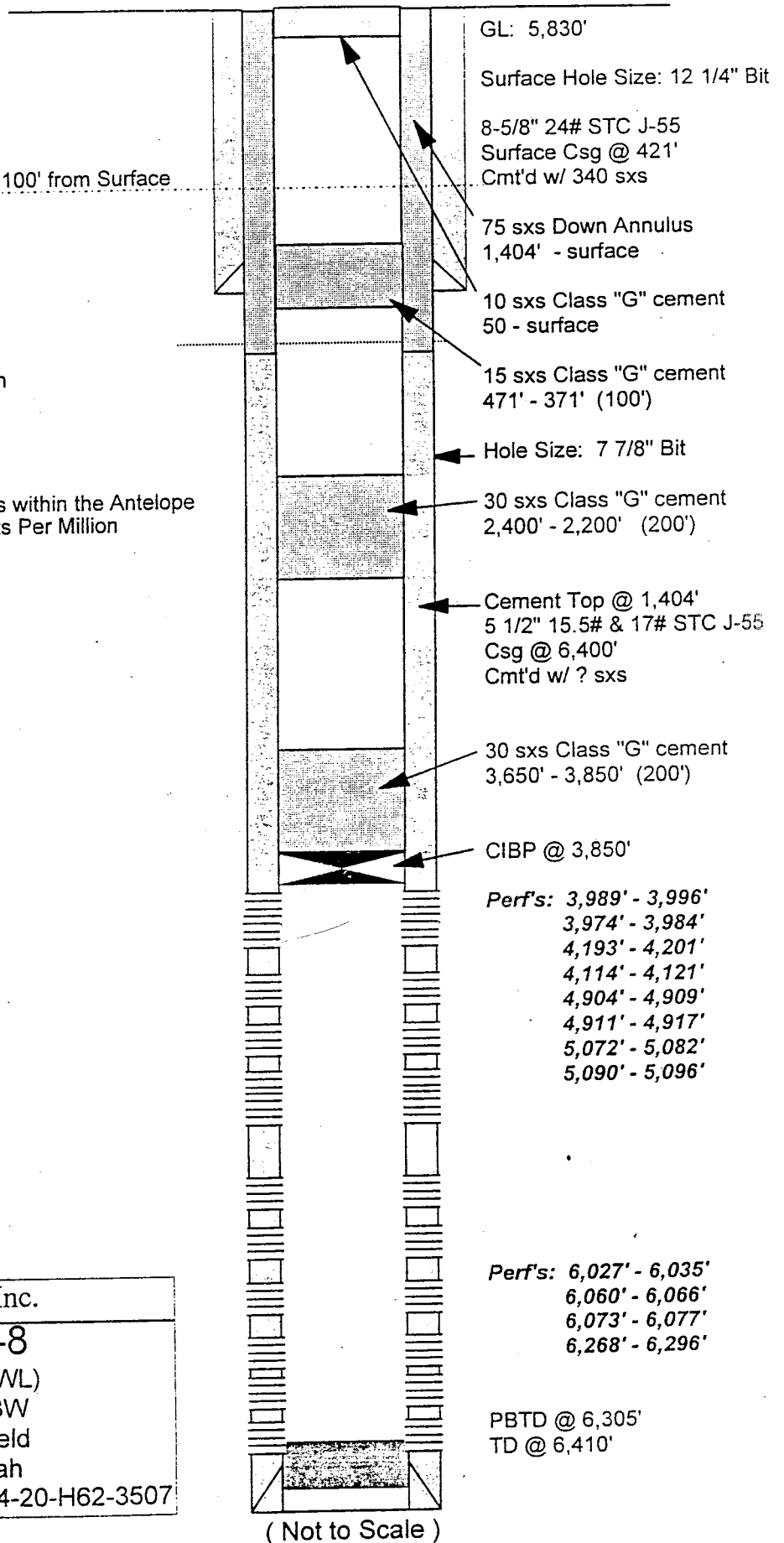
No USDW found in Uinta Formation

Estimated Base USDW 100' from Surface
See Map Section E.

Top of Green River Formation at 1,270'

No USDW found in Green River Formation

Average Total Dissolved Solids in 21 wells within the Antelope
Creek Project Area equals 16,722.55 Parts Per Million



<p>Inland Resources Inc.</p> <p>Ute Tribal 1-8</p> <p>(754' FNL & 888' FWL)</p> <p>NW NW 8-T5S-R3W</p> <p>Antelope Creek Field</p> <p>Duchesne Co, Utah</p> <p>API #43-013-30759; Lease #14-20-H62-3507</p>

Petroglyph Operating Company

Ute Tribal #5-8
T5S, R3W, Section 8

Plugging and Abandonment Plan

Primary Plan

1. POOH w/ tubulars.
2. RIH Set CIBP @ 4900'.
3. Set 200' cement plug (30 sxs class G cement) above CIBP.
4. Set 200' cement plug (30 sxs class G cement) @ 2400'.
5. Set 100' cement plug (15 sxs class G cement) across base of surface (442'-342').
6. Set 50' cement plug (8 sxs class G cement) from 50' to surface.
7. Set P&A marker.

**Ute Tribal #5-8
Wellbore Diagram
Plugged**

Water Samples and Locations

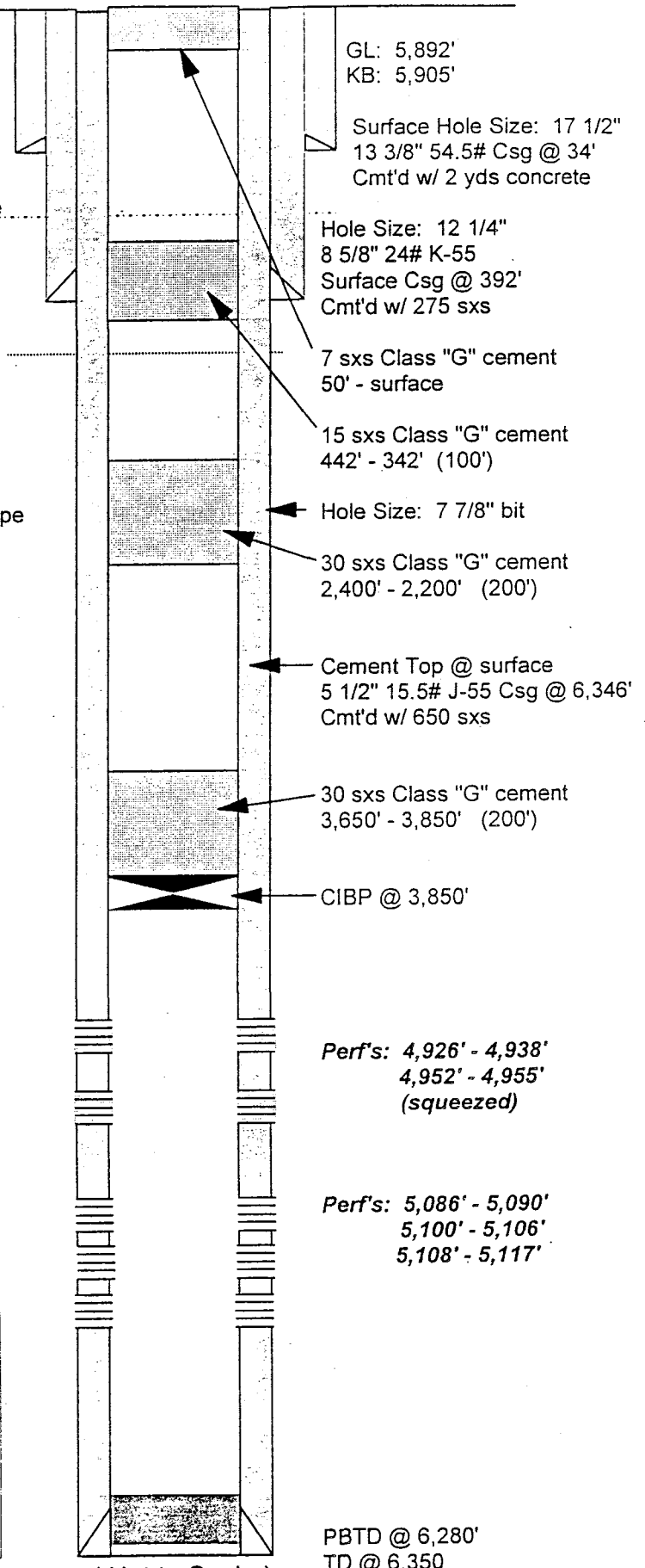
USDW found in Uinta Formation
Water found at 200' with total dissolved solids of 9885 Parts Per Million

Estimated Base USDW 150' from Surface
See Map Section E.

Top of Green River Formation at 1,360'

No USDW found in Green River Formation

Average Total Dissolved Solids in 21 wells within the Antelope Creek Project Area equals 16,722.55 Parts Per Million



(Not to Scale)

Inland Resources Inc.
Ute Tribal 5-8
(1,550' FNL & 1,550' FWL)
SE NW Section 8-T5S-R3W
Antelope Creek Field
Duchesne Co, Utah
API #43-013-31307; Lease #14-20-H62-3507

Petroglyph Operating Company

Ute Tribal #4-18
T5S, R3W, Section 18

Plugging and Abandonment Plan

Primary Plan

1. POOH w/ tubulars.
2. RIH Set CIBP @ 4050'.
3. Set 200' cement plug (30 sxs class G cement) above CIBP.
4. Set 200' cement plug (30 sxs class G cement) @ 2400'.
5. Set 100' cement plug (15 sxs class G cement) across base of surface (450'-350').
6. Set 50' cement plug (8 sxs class G cement) from 50' to surface.
7. Set P&A marker.

**Ute Tribal #4-18
Wellbore Diagram
Plugged**

Water Samples and Locations

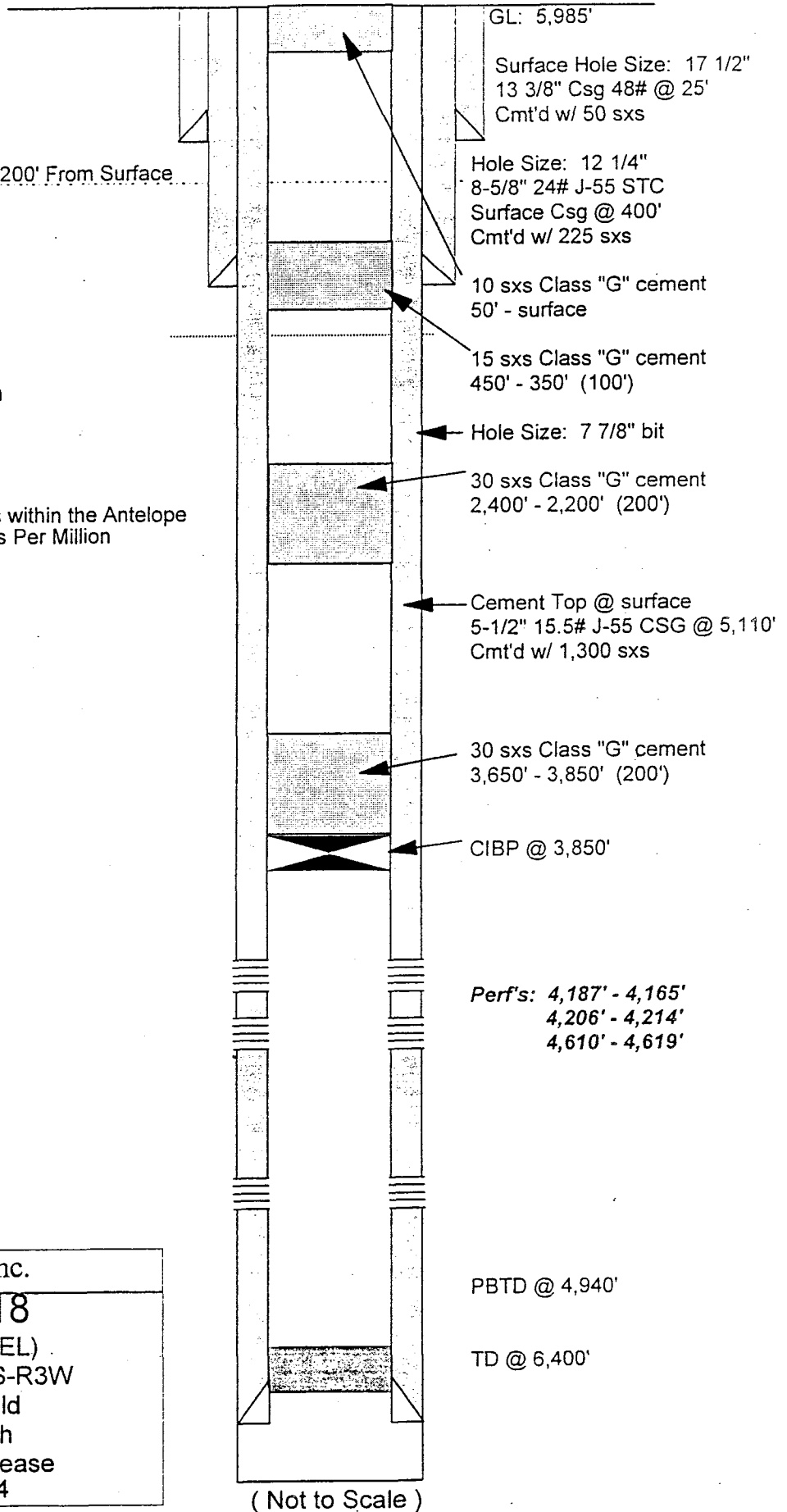
No USDW found in Uinta Formation

Estimated Base USDW 200' From Surface
See Map Section E.

Top of Green River Formation at 1,510'

No USDW found in Green River Formation

Average Total Dissolved Solids in 21 wells within the Antelope
Creek Project Area equals 16,722.55 Parts Per Million
(See Exhibit 2 this section)



Inland Resources Inc.
Ute Tribal 4-18
(812' FNL & 1,768' FEL)
NW NW Section 18-T5S-R3W
Antelope Creek Field
Duchesne Co, Utah
API #43-013-31091; Lease
#14-20-H62-35134

Petroglyph Operating Company

Ute Tribal #5-18
T5S, R3W, Section 18

Plugging and Abandonment Plan

Primary Plan

1. POOH w/ tubulars.
2. RIH Set CIBP @ 4350'.
3. Set 200' cement plug (30 sxs class G cement) above CIBP.
4. Set 200' cement plug (30 sxs class G cement) @ 2400'.
5. Set 100' cement plug (15 sxs class G cement) across base of surface (445'-355').
6. Set 50' cement plug (8 sxs class G cement) from 50' to surface.
7. Set P&A marker.

**Ute Tribal #5-18
Wellbore Diagram
Plugged**

Water Samples and Locations

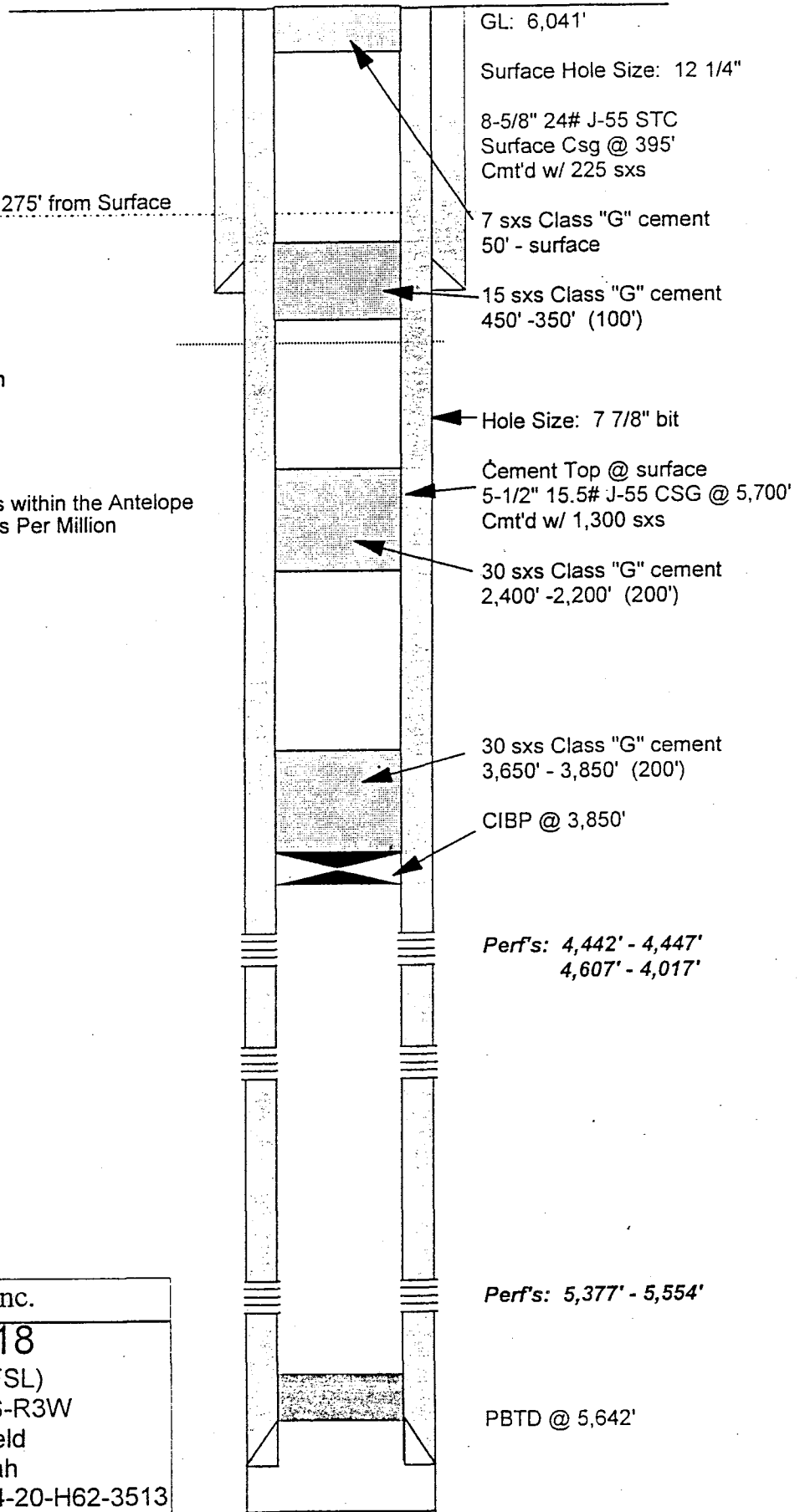
No USDW found in Uinta Formation

Estimated Base USDW 275' from Surface
See Map Section E.

Top Green River Formation @ 1,502'

No USDW found in Green River Formation

Average Total Dissolved Solids in 21 wells within the Antelope
Creek Project Area equals 16,722.55 Parts Per Million
(See Exhibit 2 this section)



(Not to Scale)

Inland Resources Inc.
Ute Tribal 5-18
(667' FEL & 2,151' FSL)
NE SE Section 18-5TS-R3W
Antelope Creek Field
Duchesne Co, Utah
API #43-013-31180; Lease #14-20-H62-3513

JUL 18 1994

FINAL STATEMENT OF BASIS

PETROGLYPH OPERATING COMPANY, INC.

ANTELOPE CREEK WATERFLOOD

DUCHESNE COUNTY, UTAH

EPA AREA PERMIT NO. UT2736-00000

CONTACT: John Carson
U. S. Environmental Protection Agency
UIC Implementation Section, 8WM-DW
999 18th Street, Suite 500
Denver, Colorado 80202-2466
Telephone: (303) 293-1435

DESCRIPTION OF FACILITY AND BACKGROUND INFORMATION:

On March 1, 1994, Petroglyph Operating Company, Inc., made application for an area underground injection control (UIC) permit for the injection of water supplied by shallow water supply wells into multiple sands within the Green River Formation. This permit application is for the conversion of four (4) existing oil/gas wells to enhanced oil recovery wells so that Petroglyph may economically produce oil from the Antelope Creek Field. The total dissolved solids (TDS) content of the injection water from a current water supply well is 9,885 milligrams per liter (mg/l); additional water supply wells will be drilled as needed. Water analyses of produced water from twenty-one wells within the proposed waterflood area indicate the multiple sands of the Green River Formation to have TDS contents ranging from 10,106 to 25,708 mg/l, with an average TDS of 16,722 mg/l.

THIS AREA PERMIT ALSO PROVIDES FOR THE CONVERSION OF
ADDITIONAL HYDROCARBON PRODUCING WELLS AND THE CONSTRUCTION OF
NEW ENHANCED RECOVERY INJECTION WELLS.

The area covered by the application is the Antelope Creek Field with the boundaries defined as follows:

Township 5 South, Range 3 West, Duchesne County, Utah

Sections 2, 3, 4, 5, 6 (SE/4 of SE/4), 7, 8, 9, 10, 15, 16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, and 33.

21 The Area of Review (AOR) is defined as that area subtended by a line drawn one-quarter (1/4) mile beyond and around the boundaries described above. The Sections in T5S-R3W listed above are within the boundaries of the Uintah-Ouray Indian Reservation.

The first wells to be converted from production wells to enhanced recovery injection wells in the Green River Formation are listed below:

<u>NAME</u>	<u>LOCATION</u>	<u>EPA PERMIT NO.</u>
Ute Tribal #1-8	NW NW Section 8	UT2736-04201
Ute Tribal #5-8	SE NW Section 8	UT2736-04203
Ute Tribal #4-18	NW NE Section 18	UT2736-04202
Ute Tribal #5-18	NE SE Section 18	UT2736-04204

Petroglyph Operating has submitted all required information and data necessary for permit issuance in accordance with 40 CFR Parts 144, 146 and 147, and a draft permit has been prepared. The permit will be issued for the operating life of the waterflood, unless the permit is terminated for reasonable cause (40 CFR §144.39, §144.40 and §144.41). However, the permit will be reviewed every five years.

This Statement of Basis gives the derivation of the site-specific permit conditions and reasons for them. The referenced sections and conditions correspond to the sections and conditions in Area Permit UT2736-00000. The general permit conditions for which the content is mandatory and not subject to site-specific differences (based on 40 CFR Parts 144, 146 and 147), are not included in the discussion.

PART II, Section A WELL CONSTRUCTION REQUIREMENTS

Casing and Cementing

(Condition 1)

Casing and cementing details for the four initial wells to be converted to injection for the Antelope Creek Waterflood Project were submitted with the permit application. Well construction is as follows:

Ute Tribal #1-8

- (1) Surface casing (8-5/8 inch) is set in a 12-1/4 inch diameter hole to a depth of 421 feet Kelly Bushing (KB). The cement used to secure the casing was circulated to the surface, isolating the casing from the wellbore.

- (2) Long string casing (5-1/2 inch) is set in a 7-7/8 inch diameter hole to a depth of 6,400 feet KB. The cement used to secure this casing extends from the casing shoe, up to a depth of 1,404 feet.

Ute Tribal #5-8

- (1) Surface casing (13-3/8 inch) is set in a 17-1/2 inch diameter hole to a depth of 34 feet KB. The cement used to secure the casing was circulated to surface, isolating the casing from the wellbore.
- (2) Intermediate casing (8-5/8 inch) is set in a 12-1/4 inch diameter hole to a depth of 392 feet KB. The cement used to secure this casing extends from the casing shoe to the surface.
- (3) Long string casing (5-1/2 inch) is set in a 7-7/8 inch diameter hole to a depth of 6,346 feet KB. The cement used to secure this casing extends from the casing shoe to the surface.

Ute Tribal #4-18

- (1) Surface casing (13-3/8 inch) is set in a 17-1/2 inch diameter hole to a depth of 25 feet KB. The cement used to secure the casing was circulated to surface, isolating the casing from the wellbore.
- (2) Intermediate casing (8-5/8 inch) is set in a 12-1/4 inch diameter hole to a depth of 400 feet KB. The cement used to secure this casing extends from the casing shoe to the surface.
- (3) Long string casing (5-1/2 inch) is set in a 7-7/8 inch diameter hole to a depth of 5,110 feet KB. The cement used to secure this casing extends from the casing shoe to the surface.

Ute Tribal #5-18

- (1) Surface casing (8-5/8 inch) is set in a 12-1/4 inch diameter hole to a depth of 395 feet KB. The cement used to secure the casing was circulated to the surface, isolating the casing from the wellbore.
- (2) Long string casing (5-1/2 inch) is set in a 7-7/8 inch diameter hole to a depth of 5,700 feet KB. The cement used to secure this casing extends from the casing shoe to the surface.

The Uinta Formation extends from the surface to an average depth of 1,410 feet. The base of the lowermost possible underground source of drinking water (USDW) containing total dissolved solids of less than 10,000 mg/l occurs in the Uinta Formation and is near ground surface in the northern part of the waterflood area, but descends to a depth of approximately 1,200 feet in the southern part of the area. The four wells initially to be converted are cemented to sufficient height behind surface and long string production casings to preclude any migration of injected fluids up hole into any USDW within the Uinta Formation. The source for this USDW information is formation water analyses submitted by the operator for twenty-two wells within the AOR, and information from Technical Publication No. 92 (1987), prepared jointly by the USGS and the Utah Division of Oil, Gas, and Mining.

The injection intervals in the initial four wells are between the depths of 3,974 and 5,554 feet, some 2,500 feet below the top of the Green River Formation which is at an average depth of 1,410 feet. The injection zones are composed of lenticular calcareous sandstones interbedded with low permeable carbonates and calcareous shales. The lenticular sandstones vary in thickness from 1 to 30 feet. The overall confining strata above the injection zones consist of impermeable Green River calcareous shales and continuous beds of microcrystalline dolomite. All injection zones in these four wells as well as in future conversion wells will be confined within a 2,100 foot section between the Green River "A" Lime marker bed and the top of the Basal Carbonate in the lower part of the formation.

Requirements for Additional Wells

(Condition 2)

The permittee may convert and/or construct other wells to enhanced recovery injection wells within the Area Permit boundary, provided that additional wells meet all conditions as set forth in this permit. Additional wells must have surface casing cemented to the surface; and cement behind the long string casing, below the injection zone and up to 300 feet above the uppermost perforations. The permittee shall also conduct appropriate downhole logging, and other tests, during the conversion and/or construction of any new enhanced recovery injection wells. For newly constructed wells, the permittee shall run a cement bond log (CBL)-variable density log (VDL)-gamma ray log (GR) from total depth (TD) to the base of the surface casing shoe. Additional logs to be run are a Dual Induction log, Density-Neutron and/or Sonic log. Along with this suite of logs, or any other pertinent logs, the permittee shall include appropriate narrative interpretations by a log analyst.

The permittee will determine the injection zone fluid pore pressure (static bottom-hole pressure) and will obtain an accurate injection zone fracture pressure, breakdown pressure,

and instantaneous shut-in pressure (ISIP) through injectivity testing of the injection zones. This testing may be performed prior to full operation, or within three months after injection operations are initiated. Also, an estimate of injection zone permeability and water quality of the formation fluid will be determined.

Any proposal for additional well conversions or new well construction must first be approved by the Director, and no action may be taken by the permittee until written authorization is received from the Director.

Tubing and Packer Specifications

(Condition 3)

The injection wells will be equipped with 2-7/8 inch tubing and packers set above the injection zones. The permittee is required to set packers at a distance of no more than 100 feet above the uppermost perforations in each well. This information (Appendix A) submitted by the applicant is incorporated into the permit and shall be binding on the permittee.

Monitoring Devices

(Condition 4)

For the purpose of taking tubing and tubing/long string casing annulus pressure measurements, the EPA is requiring that the permittee install 1/2-inch fittings (for stab type pressure receptacle) with cut-off valves at the wellhead on the tubing, and on the tubing/casing annulus.

EPA is further requiring the permittee to install a sampling tap on the line to each injection well and a flow meter that will be used to measure rate and cumulative volume of injected fluid.

Formation Testing and Logging

(Condition 6)

- a. Testing. Upon conversion and/or construction of each well, the permittee is required to determine the injection zone fluid pore pressure (static bottom hole pressure) prior to commencement of disposal operations.
- b. Step-Rate Test. A step-rate injectivity test shall be performed on at least one (1) of the initial proposed injection wells to determine the formation parting pressure and the results submitted to the EPA. This testing may be performed prior to full operation, or within three (3) months after injection operations are initiated.
- c. Logging. The permittee shall conduct appropriate down-hole logging prior to the setting of production casing on all newly constructed wells. The following suite of logs are required; Dual Induction (DIL) and

Compensated Density/Neutron (CNL-FDC). A Cement Bond/Gamma Ray log shall be run after casing is set. All logging results shall be accompanied by a brief written narrative (prepared by a knowledgeable log analyst) identifying the USDWs, formation tops, confining layers, injection zones and top of cement.

PART II, Section B CORRECTIVE ACTION

The applicant submitted the required 1/4-mile area of review (AOR) information with the permit application. Within the AOR there are forty-nine (49) production wells, five (5) plugged and abandoned wells, and one (1) permitted injection well (EPA Permit UT2497-03100). The long string casing/wellbore annulus in 23 of the production wells, and in the permitted injection well, is cemented from the casing shoe to ground surface; the remaining 26 production wells are cemented a minimum of 500 feet above the top of the Green River perforated intervals. The casing and cement in all of the production wells and the currently permitted well will prevent the migration of injected fluids up hole into any of the shallower Uinta Formation USDWs. The five plugged and abandoned wells within the AOR were plugged in such a manner that will also prevent any endangerment to USDWs. Therefore, the permittee is not required to take any corrective action prior to the issuance of this permit.

PART II, Section C WELL OPERATION

Prior to Commencing Injection (Initial Wells) Condition 1)

Injection operations shall not commence until the permittee has complied with the following:

- a. Conversion is complete and permittee has submitted a Well Rework Record (EPA Form 7520-12).
- b. Determined the injection zone fluid pore pressure.
- c. The well successfully passes a mechanical integrity pressure test (MIT) according to the guidelines discussed in the permit, and is witnessed by a representative of the EPA.

Prior to Commencing Injection (Additional Wells) (Condition 2)

Enhanced recovery injection through any additional wells (converted and/or newly constructed) may not commence until the permittee has complied with both (a) and (b) below:

- a. All required formation testing and logging has been performed in accordance with Part II, A. 6., conversion

and/or construction is complete and the permittee has submitted the appropriate forms. These forms are EPA Form 7520-12 for conversion wells and EPA Form 7520-10 for newly constructed wells.

- b. The permittee demonstrates that a given well(s) has mechanical integrity in accordance with 40 CFR §146.8 and Part II, C. 3.(a), and the permittee has received notice from the Director that such a demonstration is satisfactory. The permittee shall notify EPA two weeks prior to conducting this test so that an authorized representative may be present to witness the test.

Mechanical Integrity (Subsequent to Initial Demonstration) (Condition 3)

A tubing/casing annulus pressure test must be repeated at least once every five (5) years to demonstrate continued tubing, packer, and casing integrity.

Injection Interval (Condition 4)

Fluid injection shall be limited to the gross interval within the Green River Formation between the approximate depths of 3,750 feet to 5,850 feet.

Injection Pressure Limitation (Condition 5)

The permittee shall limit the maximum surface injection pressure to 1900 psig. Permit provisions have been made that allow the Director to **increase or decrease** the injection pressure, based on the results of a step-rate test (SRT) showing that the new requested pressure will not exceed the formation breakdown pressure. The Director will specify in writing, to the permittee, any increase or decrease to the injection pressure based upon the test results and/or other parameters reflecting actual injection operations.

The permittee submitted fracture treatment data from the four initial wells to be converted. An average fracture gradient of 0.97 psig/ft for Green River sands was obtained from these treatments; however, a more conservative gradient of 0.88 psig/ft will be used to determine a maximum injection pressure. This latter gradient was obtained from a step-rate test of the Green River in the Ute Tribal #2-4 permitted well. The well depth (d) used in the calculation is the average depth of the shallowest injection intervals in the initial four wells. The Maximum surface injection pressure (Pm) was calculated as follows:

$$P_m = [0.88 - 0.433 (S_g)] d$$

Where: Pm = Maximum surface injection pressure
at wellhead
d = 4310 feet (average depth, top
perforations in four initial wells)
0.433 = hydrostatic gradient of water
Sg = Specific gravity of injected fluid

$$P_m = [0.88 - 0.433(1.00)] 4310$$

$$P_m = 1926 \text{ psig}$$

Injection Volume Limitation

(Condition 6)

The daily injection rate will not be limited, but in no case shall the injection pressure exceed that listed in Part II, Section C, (Condition 5), above. There shall be no limit on the cumulative number of barrels of water that may be injected into the Green River Formation.

Injection Fluid Limitation

(Condition 7)

Injection fluids are limited to those which are identified in 40 CFR §144.6(b)(2), as fluids used for enhanced recovery of oil and/or natural gas. The permittee shall provide a listing of the sources of injected fluids on an annual basis as required by the permit.

PART II, Section D MONITORING, RECORD KEEPING, AND REPORTING OF RESULTS

Injection Well Monitoring Program

(Condition 1)

The permittee is required to monitor water quality of the injected fluids on an annual basis. A water sample of injected fluids shall be analyzed for total dissolved solids, pH, specific conductivity, and specific gravity. Any time there is a change in the source of injection fluid, a new water quality analysis is also required. This analysis is required to be reported to EPA annually. In addition, weekly observations of flow rate, cumulative volume, injection pressure, and annulus pressure will be made. At least one observation each for flow rate, injection pressure, annulus pressure, and cumulative volume will be recorded on a monthly basis. This record is required to be reported to EPA annually.

The permittee shall maintain copies (or originals) of all pertinent records at the office of Petroglyph Operating Company, Inc., 6209 North Highway 61, Hutchinson, Kansas 67502.

PART II, Section E PLUGGING AND ABANDONMENT

Plugging and Abandonment Plan

(Condition 2)

The plugging and abandonment plans submitted by the applicant, are incorporated into the permit, (Appendix C of the Permit) and shall be binding on the permittee. These plans have been reviewed and are consistent with UIC requirements.

Plugging of Additional Wells

(Condition 5)

The permittee may plug any additional injection wells within the permitted area, converted or constructed under Part II Section A, provided that the respective plugging and abandonment plans meet all conditions as set forth in the permit. Plugging and abandonment shall not occur until the EPA has reviewed and approved the plan(s).

PART II, Section F FINANCIAL RESPONSIBILITY

Demonstration of Financial Responsibility

(Condition 1)

Petroglyph Operating Company, Inc. has chosen to demonstrate financial responsibility by a Surety Bond and Standby Trust Agreement, both of which have been evaluated and approved.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

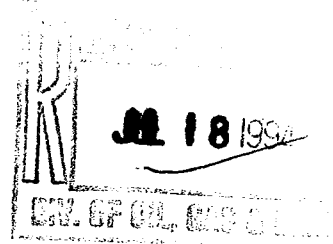
REGION VIII

999 18th STREET - SUITE 500
DENVER, COLORADO 80202-2466

JUL 14 1994

Ref: 8WM-DW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED



R. A. Christensen
President
Petroglyph Operating Company, Inc.
6209 North Highway 61
Hutchinson, Kansas 67502

RE: UNDERGROUND INJECTION CONTROL (UIC)
Final Area Permit for the
Antelope Creek Field Waterflood
EPA Area Permit No. UT2736-00000
Duchesne County, Utah

Dear Mr. Christensen:

Enclosed is the Final Underground Injection Control Area Permit for the Antelope Creek Field Waterflood. The first four wells included in the permit to be utilized as injection wells for the purpose of enhanced recovery are the Ute Tribal #1-8, #5-8, #4-18, and #5-18. A Final Statement of Basis, which discusses development of the Permit is also included.

The public comment period for the proposed permit action ended July 8, 1994. There were no comments from the public, surface landowner, or from your office; therefore, the final permit action is to become effective upon the date of issuance.

Following completion of the well conversions, but prior to commencement of injection operations, each well must undergo and pass a mechanical integrity pressure test. A two (2) week notice of each scheduled test is required so that we can arrange to witness it. Please contact John Carson, telephone (303) 293-1435, in this regard. Also, please direct all correspondence to the attention of John Carson at Mail Code 8WM-DW.

Sincerely,

Max H. Dodson
Director
Water Management Division

Enclosures: Final Area Permit
Final Statement of Basis



Printed on Recycled Paper

cc: John E. Dyer w/enclosures
~~AT 11~~ Land Resources, Inc.

Luke Duncan w/enclosures
 Northern Ute Tribe

Ferron Secakuku w/enclosures
 Northern Ute Tribe

Norman Cambridge w/enclosures
 Bureau of Indian Affairs

Charles H. Cameron w/enclosures
 Bureau of Indian Affairs

Jerry Kenczka w/enclosures
 Bureau of Land Management

Gilbert Hunt w/enclosures
 State of Utah Natural Resources
 Division of Oil, Gas and Mining

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

Petroglyph Operating Company, Inc.

Address and Telephone No.

209 N. Highway 61 Hutchinson, KS 67502 (316) 665-8500

Location of Well (Footage, Sec., T., R., M., or Survey Description)

67' FEL & 2151' FSL
E SE Sec. 18-T5S-R3W

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

14-20-H62-3513

6. If Indian, Allottee or Tribe Name

Ute Indian Tribe

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Ute Tribal 5-18

9. API Well No.

43-013-31180

10. Field and Pool, or Exploratory Area

Antelope Creek

11. County or Parish, State

Duchesne County, UT

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other begin injection

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Enclosed please find an MIT performed on August 9, 1994 for the above referenced well. Injection commencing on 8-17-94 per EPA approval.

OCT 3

I hereby certify that the foregoing is true and correct

Signed [Signature] Title President

Date 8-16-94

This space for Federal or State official use

App. by NOTED Title

Date AUG 19 1994

18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

*See instruction on Reverse Side

REC AUG 22 1994

Mechanical Integrity Test Casing/Annulus Pressure Test

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Implementation Section, SWR-DW
999 18th Street, Suite 500, Denver, CO 80202-2456

EPA Witness: NONE Date 8/9/94 Time 11:45 am/pm
Test conducted by: JAY O'DRISCOLL, O & M OILFIELD SERVICE
Others present: GARY WORKMAN, MAKER OIL

Well name	<u>UTE TRIOL 5-18</u>	EPA Number	_____
Field name	<u>ANTELOPE CREEK</u>		
Location	<u>NE/SE</u> qtr qtr; <u>18</u> Section; <u>55</u> Township; <u>3W</u> Range		
Owner/Operator	<u>PETROGLYPH</u>		

Time	Test #1	Test #2	Test #3
0 min	<u>500</u> psig	_____ psig	_____ psig
5	<u>500</u>	_____	_____
10	<u>500</u>	_____	_____
15	<u>500</u>	_____	_____
20	<u>490</u>	_____	_____
25	<u>480</u>	_____	_____
30 min	<u>480</u>	_____	_____
35	<u>480</u>	_____	_____
40	<u>480</u>	_____	_____
45	<u>480</u>	_____	_____
50	_____	_____	_____
55	_____	_____	_____
60 min	_____	_____	_____

Tubing press 0 psig _____ psig _____ psig

Result (circle) Pass Fail Pass Fail Pass Fail

Signature of Witness: [Signature] / POI

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

Kind of Well
Oil Well ☐ Gas Well ☐ Other ☒
Name of Operator

Petroglyph Operating Company, Inc.

Address and Telephone No.

6209 N. Highway 61 Hutchinson, KS 67502 (316) 665-8500

Location of Well (Footage, Sec., T., R., M., or Survey Description)

667' FEL & 2151 FSL
NE SE Sec. 18-T5S-R3WFORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

14-20-H62-3513

6. If Indian, Allottee or Tribe Name

Ute Indian Tribe

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Ute Tribal 5-18

9. API Well No.

43-013-31180

10. Field and Pool, or Exploratory Area

Antelope Creek

11. County or Parish, State

Duchesne County, UT

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☒ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Further to BLM and EPA approval (Permit # UT2736-00000), this well has been converted to injection. A completed well diagram and job summary are enclosed.

OCT 3

I hereby certify that the foregoing is true and correct

Signed by R. A. CHAPMANTitle President,Date 8-5-94

(Signature for Federal or State office use)

Signed by NOTED

Title _____

Date AUG 19 1994

U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or omissions as to any matter within its jurisdiction.

☒ 013

009

08 '94 09:03AM BAKER OIL TOOLS

P. 4

COMPANY Petroglyph Operating		CASING	LINE	UPPER TUBING	LOWER TUBING
WELL NAME & NUMBER Ute Tribal 5-18		SIZE 5 1/2		1.5	2 3/8
FIELD		WEIGHT 15.5		1.426	4.6
COUNTY Duchesne		GRADE J-55		QT-700	J-55
STATE Utah		THREAD			EUE
DATE 08-01-94 <input type="checkbox"/> NEW <input checked="" type="checkbox"/> W.O.		DEPTH			

ITEM	DESCRIPTION	MAX. O.D. INCHES	MIN. I.D. INCHES	LENGTH FEET	DEPTH FEET
*	K.R.			10.00	
1	4290 FT. Of 1.5 coiled Tubing Seamed	1.50	1.348	4290.00	
2	1.50 Connector W/ 2 3/8 eu p	2.215	1.295	.55	4300.55
3	45A4 FH Pkr. W/ 20,000# Shear Ring	4.641	1.901	6.70	4307.25
4	2 3/8 X 4 Ft. Pup Jnt. J-55	3.063	1.995	4.08	4311.33
5	2 3/8 EU B X 1.660 EU IO RD. P	3.063	1.309	.54	4311.87
6	Baker 1.18 "F" Nipple	2.220	1.187	.76	4312.63
7	1.660 EU IO Rd. B x 2 3/8 EU P	2.630	1.60	.30	4312.93
8	2 3/8 EU Pump Out Plug W/ wireline Entry Guide	3.045	2.06	.60	4313.53
	Tubing Landed W/ 5,000# Tension				
	Top Perf @ 4442				
	Bottom Perf @ 4617				
	P.B.T.O. @ 5642				

PREPARED FOR		
Dan Lindsey		
PREPARED BY	OFFICE	PHONE
Larry L. Wadman	Vernal, Utah	801-789-5918



1023 NAVIGATION BOULEVARD
P.O. BOX 3048 • HOUSTON, TEXAS 77001
TELEPHONE (713) 773-9991 • TELETYPE 773-9991

RECEIVED AUG 22 1994

January 26, 1996

John Carson
United States EPA
U.I.C. Program
999 18th Street, Ste. 500
Denver, CO 80202-2466

RE: Well Name Change for Wells in the Antelope Creek Field, Duchesne County, UT
EPA Area Permit # UT2736-00000

Mr. Carson:

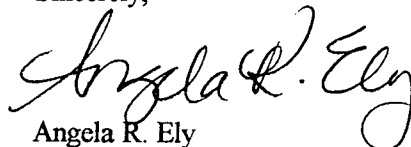
In an effort to bring all of the existing wells and wells to be drilled into a uniform numbering system, based on 40 acre locations and 16 wells per section, each well name will be changed to consist of its section location followed by the correct number of its well spot.

We are making this change effective January 1, 1996. Following is a list consisting of the "old" well names and the "new" well names of SWD, enhanced recovery and injection wells.

<u>NEW WELL NAME</u>	<u>OLD</u>	<u>LOCATION</u>	<u>PERMIT #</u>
Ute Tribal 04-07	2-4	SW NE Sec. 4-T5S-R3W	UT2497-03100
Ute Tribal 08-04	1-8	NW NW Sec. 8-T5S-R3W	UT2736-04201
Ute Tribal 08-06	5-8	SE NW Sec. 8-T5S-R3W	UT2736-04203
Ute Tribal 18-02	4-18	NW NE Sec. 18-T5S-R3W	UT2736-04202
Ute Tribal 18-09	5-18	NE SE Sec. 18-T5S-R3W	UT2736-04204
Ute Tribal 29-09	1-29	SE/4 Sec. 29-T5S-R3W	UT2736-04233
Ute Tribal 05-10	3-5 E3	SE/4 Sec. 5-T5S-R3W	UT2736-04234

If you have any questions regarding the enclosed information, please do not hesitate to contact me at (316) 665-8500.

Sincerely,



Angela R. Ely
Administrative Operations Manager

ARE/ms

Enclosure

pc: Mr. Gil Hunt
State of Utah Natural Resources
Division of Oil, Gas & Mining

January 26, 1996

Ron Firth
State of Utah
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, UT 84180-1203

RE: Well Name Change for Wells in the Antelope Creek Field, Duchesne County, UT

Mr. Firth:

In an effort to bring all of the existing wells and wells to be drilled into a uniform numbering system, based on 40 acre locations and 16 wells per section, each well name will be changed to consist of its section location followed by the correct number of its well spot.

Enclosed please find sundry notices changing the well name for all wells located in Antelope Creek. We are making this change effective January 1, 1996. Also enclosed for your convenience is a list consisting of the "old" well names and the "new" well names.

Your assistance during this time of transition is greatly appreciated. If you have any questions regarding the enclosed information, please do not hesitate to contact me at (316) 665-8500.

Sincerely,



Angela R. Ely
Administrative Operations Manager

ARE/ms

Enclosures

pc: Dennis Ingram
Lisha Cordova

96WELLQXLS

AgrmtNbr	LeaseNbr	LeaseName	Old	New	API	Footage	Field	Town	Range	Sec	Qtr
14-20-H62-4650	14-20-H62-3509	Ute Tribal	1-10	10-12	43-013-30805	2001 FSL & 600 FWL	Antelope Creek	5S	3W	10	NWSW
14-20-H62-4650	14-20-H62-3510	Ute Tribal	1-15	15-04	43-013-30880	907 FNL & 515 FWL	Antelope Creek	5S	3W	15	NWNW
14-20-H62-4650	14-20-H62-3511	Ute Tribal	1-16	16-16	43-013-30804	505 FSL & 600 FEL	Antelope Creek	5S	3W	16	SESE
14-20-H62-4650	14-20-H62-4633	Ute Tribal	1-17	17-01	43-013-30790	638 FNL & 610 FEL	Antelope Creek	5S	3W	17	NENE
14-20-H62-4650	14-20-H62-3513	Ute Tribal	1-18	18-01	43-013-30761	550 FNL & 521 FEL	Antelope Creek	5S	3W	18	NENE
14-20-H62-4650	14-20-H62-3514	Ute Tribal	1-19	19-16	43-013-30803	556 FSL & 603 FEL	Antelope Creek	5S	3W	19	SESE
14-20-H62-4650	14-20-H62-3515	Ute Tribal	1-20	20-02	43-013-30764	404 FNL & 1539 FEL	Antelope Creek	5S	3W	20	NWNE
14-20-H62-4650	14-20-H62-3516	Ute Tribal	1-21	21-13	43-013-30883	611 FSL & 786 FWL	Antelope Creek	5S	3W	21	SWSW
14-20-H62-4650	14-20-H62-3517	Ute Tribal	1-28	28-05	43-013-30802	2583 FNL & 712 FWL	Antelope Creek	5S	3W	28	SWNW
14-20-H62-4650	14-20-H62-3518	Ute Tribal	1-29 inj	29-09 inj	43-013-30763	1324 FSL & 1160 FEL	Antelope Creek	5S	3W	29	NESE
14-20-H62-4650	14-20-H62-3502	Ute Tribal	1-3	03-13	43-013-30823	659 FSL & 659 FWL	Antelope Creek	5S	3W	3	SWSW
14-20-H62-4650	14-20-H62-3519	Ute Tribal	1-30	30-07	43-013-30852	1980 FNL & 1980 FEL	Antelope Creek	5S	3W	30	SWNE
14-20-H62-4650	14-20-H62-3520	Ute Tribal	1-31	31-02	43-013-30827	519 FNL & 1942 FEL	Antelope Creek	5S	3W	31	NWNE
14-20-H62-4650	14-20-H62-3521	Ute Tribal	1-32	32-08	43-013-30853	2100 FNL & 660 FEL	Antelope Creek	5S	3W	32	SENE
14-20-H62-4650	14-20-H62-3522	Ute Tribal	1-33	33-04	43-013-30806	723 FNL & 802 FWL	Antelope Creek	5S	3W	33	NWNW
14-20-H62-4650	14-20-H62-3503	Ute Tribal	1-4	04-01	43-013-30762	1331 FNL & 1277 FEL	Antelope Creek	5S	3W	4	NENE
14-20-H62-4650	14-20-H62-3504	Ute Tribal	1-5	05-07	43-013-30785	2430 FNL & 1777 FEL	Antelope Creek	5S	3W	5	SWNE
14-20-H62-4650	14-20-H62-3505	Ute Tribal	1-6	06-16	43-013-30793	833 FSL & 902 FEL	Antelope Creek	5S	3W	6	SESE
14-20-H62-4650	14-20-H62-3506	Ute Tribal	1-7	07-14	43-013-30788	559 FSL & 1957 FWL	Antelope Creek	5S	3W	7	SESW
14-20-H62-4650	14-20-H62-3507	Ute Tribal	1-8 inj	08-04 inj	43-013-30759	754 FNL & 888 FWL	Antelope Creek	5S	3W	8	NWNW
14-20-H62-4650	14-20-H62-3504	Ute Tribal	11-5	05-09	43-013-31468	2150 FSL & 639 FEL	Antelope Creek	5S	3W	5	NESE
14-20-H62-4650	14-20-H62-3517	Ute Tribal	12-28	28-12	43-013-31529	1861 FSL & 496 FWL	Antelope Creek	5S	3W	28	NWSW
14-20-H62-4650	14-20-H62-3503	Ute Tribal	12-4	04-12	43-013-31470	2000 FSL & 600 FWL	Antelope Creek	5S	3W	4	NWSW
14-20-H62-4650	14-20-H62-3504	Ute Tribal	12-5	05-11	43-013-31454	1856 FSL & 1457 FWL	Antelope Creek	5S	3W	5	NESW
14-20-H62-4650	14-20-H62-3507	Ute Tribal	13-8	08-13	43-013-31468	660 FSL & 660 FWL	Antelope Creek	5S	3W	8	SWSW
14-20-H62-4650	14-20-H62-3518	Ute Tribal	14-29	29-10	43-013-31475	1955 FSL & 2125 FEL	Antelope Creek	5S	3W	29	NWSE
14-20-H62-4650	14-20-H62-3504	Ute Tribal	14-5	05-14	43-013-31455	590 FSL & 1984 FWL	Antelope Creek	5S	3W	5	SESW
14-20-H62-4650	14-20-H62-3518	Ute Tribal	15-29	29-15	43-013-31530	649 FSL & 1831 FEL	Antelope Creek	5S	3W	29	SWSE
14-20-H62-4650	14-20-H62-3504	Ute Tribal	15-5	05-15	43-013-31461	990 FSL & 1900 FEL	Antelope Creek	5S	3W	5	SWSE
14-20-H62-4650	14-20-H62-3504	Ute Tribal	16-5	05-16	43-013-31527	708 FSL & 523 FEL	Antelope Creek	5S	3W	5	SESE
14-20-H62-4650	14-20-H62-3506	Ute Tribal	16-7	07-16	43-013-31463	440 FSL & 410 FEL	Antelope Creek	5S	3W	7	SESE
14-20-H62-4650	14-20-H62-3507	Ute Tribal	1A-8	08-01	43-013-31568	660 FSL & 660 FEL	Antelope Creek	5S	3W	8	NENE
14-20-H62-4650	14-20-H62-3509	Ute Tribal	2-10	10-03	43-013-31187	600 FNL & 1650 FWL	Antelope Creek	5S	3W	10	NENW
14-20-H62-4650	14-20-H62-3511	Ute Tribal	2-16	16-13	43-013-31166	750 FSL & 500 FWL	Antelope Creek	5S	3W	16	SWSW
14-20-H62-4650	14-20-H62-3513	Ute Tribal	2-18	18-08	43-013-30881	1929 FNL & 612 FEL	Antelope Creek	5S	3W	18	SENE
14-20-H62-4650	14-20-H62-3515	Ute Tribal	2-20	20-07	43-013-30882	1980 FNL & 1980 FEL	Antelope Creek	5S	3W	20	SWNE
14-20-H62-4650	14-20-H62-3518	Ute Tribal	2-29	29-16	43-013-30849	500 FSL & 500 FEL	Antelope Creek	5S	3W	29	SESE
14-20-H62-4650	14-20-H62-3502	Ute Tribal	2-3	03-14	43-013-31097	1050 FSL & 1980 FWL	Antelope Creek	5S	3W	3	SESW
14-20-H62-4650	14-20-H62-3520	Ute Tribal	2-31	31-03	43-013-31188	442 FNL & 2338 FWL	Antelope Creek	5S	3W	31	NENW
14-20-H62-4650	14-20-H62-3503	Ute Tribal	2-4 inj	04-07 inj	43-013-30879	2551 FNL & 1900 FEL	Antelope Creek	5S	3W	4	SWNE
14-20-H62-4650	14-20-H62-3504	Ute Tribal	2-5	05-13	43-013-30824	723 FSL & 688 FWL	Antelope Creek	5S	3W	5	SWSW
14-20-H62-4650		State	2-6	06-10	43-013-30891	2525 FSL & 1836 FEL	Antelope Creek	5S	3W	6	NW SE
14-20-H62-4650	14-20-H62-3506	Ute Tribal	2-7	07-01	43-013-30825	567 FNL & 706 FEL	Antelope Creek	5S	3W	7	NENE
14-20-H62-4650	14-20-H62-3507	Ute Tribal	2-8	08-05	43-013-30826	1980 FNL & 500 FWL	Antelope Creek	5S	3W	8	SWNW
14-20-H62-4650	14-20-H62-3508	Ute Tribal	2-9	09-01	430-13-30789	770 FNL & 1059 FEL	Antelope Creek	5S	3W	9	NENE
14-20-H62-4650	14-20-H62-3507	Ute Tribal	2A-8	08-02	43-013-31569	506 FNL & 1956 FEL	Antelope Creek	5S	3W	8	NWNE
14-20-H62-4650	14-20-H62-3513	Ute Tribal	3-18	18-03	43-013-31528	614 FNL & 1983 FWL	Antelope Creek	5S	3W	18	NENW

96WELLÇ.XLS

AgmtNbt	LeaseNbr	LeaseName	Old	New	API	Footage	Field	Town	Range	Sec	Qtr
14-20-H62-4650	14-20-H62-3515	Ute Tribal	3-20	20-06	43-013-31175	2050 FNL & 1950 FWL	Antelope Creek	5S	3W	20	SENW
14-20-H62-4650	14-20-H62-3518	Ute Tribal	3-29	29-06	43-013-30850	1900 FNL & 1980 FWL	Antelope Creek	5S	3W	29	SENW
14-20-H62-4650	14-20-H62-3503	Ute Tribal	3-4	04-11	43-013-30878	1999 FSL & 1738 FWL	Antelope Creek	5S	3W	4	NESW
14-20-H62-4650	14-20-H62-3504	Ute Tribal	3-5 E3 inj	05-10 inj	43-013-30938	2068 FSL & 2093 FEL	Antelope Creek	5S	3W	5	NWSE
14-20-H62-4650	14-20-H62-3505	Ute Tribal	3-6	06-08	43-013-31189	2323 FNL & 691 FEL Lot # 9	Antelope Creek	5S	3W	6	SENE
14-20-H62-4650	14-20-H62-3506	Ute Tribal	3-7	07-08	43-013-30828	1864 FNL & 972 FEL	Antelope Creek	5S	3W	7	SENE
14-20-H62-4650	14-20-H62-3507	Ute Tribal	3-8	08-03	43-013-31101	505 FNL & 439 FWL	Antelope Creek	5S	3W	8	NENW
14-20-H62-4650	14-20-H62-4633	Ute Tribal	4-17	17-04	43-013-31464	697 FNL & 636 FWL	Antelope Creek	5S	3W	17	NWNW
14-20-H62-4650	14-20-H62-3513	Ute Tribal	4-18 inj	18-02 inj	43-013-31099	812 FNL & 1768 FEL	Antelope Creek	5S	3W	18	NWNE
14-20-H62-4650	14-20-H62-3518	Ute Tribal	4-29	29-04	43-013-30851	660 FNL & 660 FWL	Antelope Creek	5S	3W	29	NWNW
14-20-H62-4650	14-20-H62-3503	Ute Tribal	4-4	04-13	43-013-30848	807 FSL & 886 FWL	Antelope Creek	5S	3W	4	SWSW
14-20-H62-4650	14-20-H62-3504	Ute Tribal	4-5	05-08	43-013-31306	2500 FNL & 550 FEL	Antelope Creek	5S	3W	5	SENE
14-20-H62-4650	14-20-H62-3507	Ute Tribal	4-8	08-12	43-013-31164	2100 FSL & 515 FWL	Antelope Creek	5S	3W	8	NWSW
14-20-H62-4650	14-20-H62-3508	Ute Tribal	4-9	09-15	43-013-31165	550 FSL & 2000 FEL	Antelope Creek	5S	3W	9	SWSE
14-20-H62-4650	14-20-H62-3503	Ute Tribal	4A-4	04-04	43-013-31574	1205 FNL & 660 FWL Lot # 5	Antelope Creek	5S	3W	4	NWNW
14-20-H62-4650	14-20-H62-3513	Ute Tribal	5-18 inj	18-09 inj	43-013-31180	2151 FSL & 667 FEL	Antelope Creek	5S	3W	18	NESE
14-20-H62-4650	14-20-H62-3518	Ute Tribal	5-29 E3	29-07	43-013-30939	1969 FNL & 2093 FEL	Antelope Creek	5S	3W	29	SWNE
14-20-H62-4650	14-20-H62-3503	Ute Tribal	5-4	04-05	43-013-31462	1969 FNL & 660 FWL Lot # 12	Antelope Creek	5S	3W	4	SWNW
14-20-H62-4650	14-20-H62-3507	Ute Tribal	5-8 inj	08-06 inj	43-013-31307	1550 FNL & 1550 FWL	Antelope Creek	5S	3W	8	SENW
14-20-H62-4650	14-20-H62-3518	Ute Tribal	6-29	29-08A	43-013-31305	2600 FNL & 600 FEL	Antelope Creek	5S	3W	29	SENE
14-20-H62-4650	14-20-H62-3503	Ute Tribal	6-4	04-14	43-013-31100	660 FSL & 2000 FWL	Antelope Creek	5S	3W	4	SESW
14-20-H62-4650	14-20-H62-3503	Ute Tribal	6A-4	04-06	43-013-31526	2427 FNL & 2028 FWL Lot # 11	Antelope Creek	5S	3W	4	SENW
14-20-H62-4650	14-20-H62-3513	Ute Tribal	7-18	18-07	43-013-31533	2236 FNL & 1855 FEL	Antelope Creek	5S	3W	18	SWNE
14-20-H62-4650	14-20-H62-3518	Ute Tribal	7-29	29-08B	43-013-31339	2675 FNL & 725 FEL	Antelope Creek	5S	3W	29	NESE
14-20-H62-4650	14-20-H62-3517	Ute Tribal	11-28	28-11	43-013-31575	2171 FSL & 2107 FWL	Antelope Creek	5S	3W	28	NESE
14-20-H62-4650	14-20-H62-3513	Ute Tribal	10-18	18-10	43-013-31595	1954 FSL & 1894 FEL	Antelope Creek	5S	3W	18	NWSE
14-20-H62-4650	14-20-H62-3517	Ute Tribal	13-28	28-13	43-013-31576	712 FSL & 553 FWL	Antelope Creek	5S	3W	28	SWSW
14-20-H62-4650	14-20-H62-3517	Ute Tribal	6-28	28-06	43-013-31577	759 FNL & 502 FEL	Antelope Creek	5S	3W	28	SENW
14-20-H62-4650	14-20-H62-3521	Ute Tribal	1A-32	32-01	43-013-31577		Antelope Creek	5S	3W	32	NENE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.
14-20-H62-3513

6. If Indian, Allottee or Tribe Name
Ute Indian Tribe

7. If Unit or CA, Agreement Designation

14-20-H62-4650

8. Well Name and No.
Ute Tribal 5-18

9. API Well No.
43-013-31180

10. Field and Pool, or Exploratory Area
Antelope Creek

11. County or Parish, State
Duchesne County, UT

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

Petroglyph Operating Company, Inc.

3. Address and Telephone No.

6209 N. Highway 61 Hutchinson, KS 67502 (316) 665-8500

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NESE 2151 FSL & 667 FEL
18-5S-3W**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other **well name change**
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

In an effort to bring all of the existing wells and the anticipated wells to be drilled into a uniform numbering system, based on 40 acre locations, each well name will be changed to consist of its section location followed by the correct number of its well spot, based upon 16 wells per section.

Petroglyph Operating Company, Inc. would like to notify by subsequent report that the above referenced well name has been changed to **Ute Tribal 18-09**. This will be effective January 1, 1996.

14. I hereby certify that the foregoing is true and correct

Signed

Title

President

Date

1/25/96

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.

14-20-H62-3513

6. If Indian, Allottee or Tribe Name

Ute Indian Tribe

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Ute Tribal 18-09

9. API Well No.

43-013-31180

10. Field and Pool, or Exploratory Area

Antelope Creek

11. County or Parish, State

Duchesne County, UT

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

Petroglyph Operating Company, Inc.

3. Address and Telephone No.

P.O. Box 607, Roosevelt, UT 84066 (435) 722-2531

4. Location of Well (Footage, Sec., T., R., or Survey Description)

7' FEL & 2151' FSL
NESE Sec. 18 T5S-R3W

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other - Reperforate & acidize

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Petroglyph Operating Company, Inc. would like to notify by subsequent report that the above referenced well had the following work performed on January 13-18, 2000.

Reperforate zone 4607-17 & 4442-48 w/ 4-spf 120 deg. phasing.
Acidize 1500 gallons 15% FE HCL w/ additives.
Squeeze well w/ 2 bbls T229 scale inhibitor & put well on Injection.

RECEIVED

MAR 31 2000

DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct.

Signed Wade Smith Title Operations Coordinator

Date 2-18-00

(This space for Federal or State official use)

Approved by _____ Title _____

Date _____

Conditions of Approval, if any:

WTL
5-2-00

WORKOVER REPORT

3/21/00

Petroglyph Operating Co., Inc.

Type: re-perf zone

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6056

Lease: Ute Tribal 18-09

GL 6041

API #: 43-013-31180

Property: 50046

Location: 18 - 5 S - 3 W

AFE/EPE Number:

County, St.: Duchesne UT

Activity Date Daily Cost Activity Description

1/13/00 \$2,966.00

7 AM MIRU & change over to 2 3/8" from rods. ND injection lines. Release arrow set I. Drop standing valve & try test tbg (std valve hung up @ 2 3/8" short nipple). Repair problem. Drop standing valve & chase to 4318 w/ sand line. Load tbg w/ 2 bbls treated wtr. Test tbg to 3000 psi, okay. Retrieve std valve. RU floor & POOH 2 3/8" injection tbg w/ arrow set I packer. Packer try to set while pulling. PU 5 1/2" RTTS & BV. RIH w/ tools to 4680'. Work tools & try set BV. Could not get BV to set. POOH to 4250'. Try set BV same results. Secure well w/ tbg open to fluid tank @ 6 PM. Pulled over @ 602' from surface. 10,000# tbg strap out of hole.

Note: 1/2 drag block & drag spring dwn hole when packer (Arrow I) came through surface flange.

1/14/00 \$6,925.00

7 AM open well & NU well head flange & POOH w/ 2 5/8" injection tbg & tools. NO BV RIH w/ RTTS & to 1000' & set release RTTS. RIH set RTTS @ 3000'. Reset RTTS & release RIH to 4634'. Install stripping head & seat acid on C6 perfs 4607-17'. Remove stripping head. POOH RTTS. RU sch & perf C6 4607-12', 4 spf w/ 40 shots. RD sch. RIH w/ 5 1/2" RTTS to 4531'. Spot acid & set RTTS @ 4531'. Displace to perfs 2200 psi max @ 1/4 BPM. Bleed off & RU swab. Swab on C6. IFL @ surface, FFL @ 3700'. 32 bbls recovered. Secure well & drain up.

1/15/00 \$17,995.00

~~7500.00~~ Credit from Halliburton
10,495

8 AM open well & RU & swab. IFL @ surface. PH @ 0, FFL @ 3100'. PH 5 3 runs, 16 bbls recovered total of 48 bbls from C6. Release RTTS @ 4531'. RIH catch BV & POOH set BV @ 4550'. Set RTTS @ 4471'. Test BV & RTTS to 2500 psi. Release RTTS & spot acid on C4 perfs 4442-48' @ 1 spf. Remove stripping head & POOH w/ RTTS. RU Schlumberger & perf C4 4442-48' @ 4 spf. RD Schlumberger & RIH w/ RTTS to 4306'. Spot acid to end of tbg. Set RTTS @ 4306'. Pump acid & chemicals @ 1/4 bpm @ 2400 psi. Bleed off release RTTS. RIH catch & release BV @ 4550'. Move BV to 4605' & set BV. POOH w/ RTTS to 4306' & set RTTS. RU & swab IFL @ surface, FFL @ 3500'. 35 bbls to recover. Secure well @ 5:30 PM.

RECEIVED

MAR 31 2000

DIVISION OF
OIL, GAS AND MINING

WORKOVER REPORT

3/21/00

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6056

Well: Ute Tribal 18-09

GL 6041

County, St.: Duchesne UT

Activity Date Daily Cost Activity Description

1/17/00 \$8,523.00

7 AM open well, RU & swab. IFL @ surface, FFL @ 3200'. PHS 7 runs. 36 bbls recovered, total 71 bbls. Release RTTS @ 4306'. RIH release BV @ 4650'. Change in orders reset BV @ 4650'. POOH reset RTTS @ 4306'. RU & swab C4-C6. 8 runs IFL @ 500', FFL @ 3600'. PH 3-6+, 28 bbls recovered. Release RTTS RIH & release BV. Remover stripping head. POOH LD 10 jts 2 3/8". POOH LD 5 1/2" RTTS & BV. PU 2 3/8" injection BHA & RIH w/ injection tbgs. RD floor remove 8 3/8" flange, pump pkr fluid. Drop standing valve & set 5 1/2" hydro I pkr @ 2000 psi. Pkr @ 4311'. Secure well. 99 total bbls recovered.

TUBING DETAIL

KB	15.00	15.00
137 jts 2 3/8" 4.7	4296.74	
5 1/2" hydro I pkr	8.26	
2 3/8" 4.7 sub	4.28	
2 3/8" F nipple	1.81	
EOT		4326.09

1/18/00

~~2398-~~
\$2,748.00

7 AM open well, RIH w/ sand line & retrieve tool. Catch & retrieve standing valve. NU well head & lines. RD pump & lines. RD unit & police location. Hook up flow meter @ 10 AM.

NOTE: 2 3/8" short nipple on top of donut will not accept standing valve.

Cumulative Cost: ~~\$30,157.00~~

Days Since Start: 31,325.
6

*THIS IS ONLY AN ESTIMATE OF DAILY COST BY THE FIELD MEN.
See A/C For Actuals.*

RECEIVED

MAR 31 2000

DIVISION OF
OIL, GAS AND MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-3513
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Water Injection Well		7. UNIT or CA AGREEMENT NAME: ANTELOPE CREEK
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO		8. WELL NAME and NUMBER: UTE TRIBAL 18-09
3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500, Boise, ID, 83703		9. API NUMBER: 43013311800000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2151 FSL 0667 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 18 Township: 05.0S Range: 03.0W Meridian: U		9. FIELD and POOL or WILDCAT: ANTELOPE CREEK
		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/17/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 4/17/2014 Petroglyph Operating rigged up a coiled tubing unit on the well referenced above to acidize the well and improve the well's injection rates. The targeted treatment interval was 4,442'-4,612'. We ran in hole through the injection tubing, established an injection rate and slowly pulled back as we spotted acid over the referenced interval.

We spotted 1,764 Gal of 15% Hcl, ran back in to the bottom of the interval and repeated spotting 1,176 Gal of Chlorine Dioxide, and ran back in again spotting in 2,142 Gal of 15% Hcl. The treatment was then flushed out into the formation with 4,095 Gallons of fresh water and the well was returned to injection.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 May 29, 2014

NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A		DATE 5/27/2014